

Name: \_\_\_\_\_

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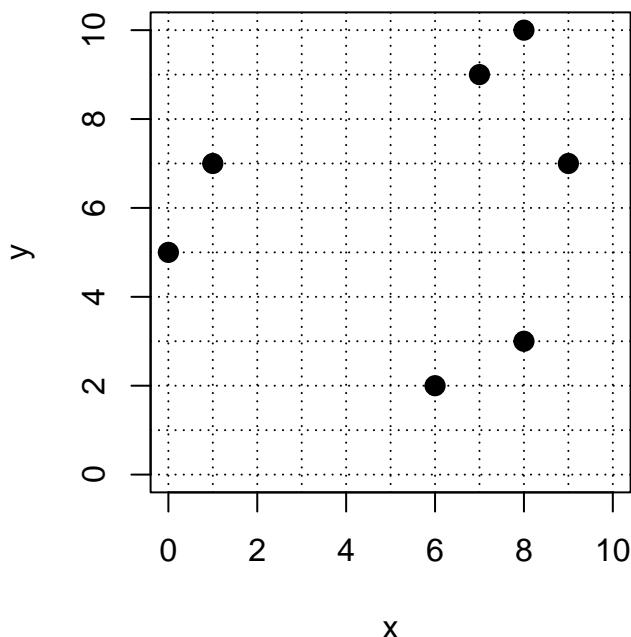
### Check if Relation is a Function (12 pts classwork, version 1)

1. A **relation** is expressed as a list of  $(x, y)$  ordered pairs.

$$(5, 8) \quad (8, 7) \quad (2, 8) \quad (2, 8) \quad (1, 4)$$

- Is this list consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this list consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this list consistent with a one-to-one function? Why or why not?

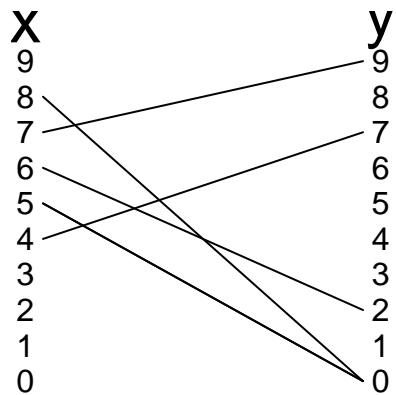
- 
2. A relation is shown as points on a graph.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

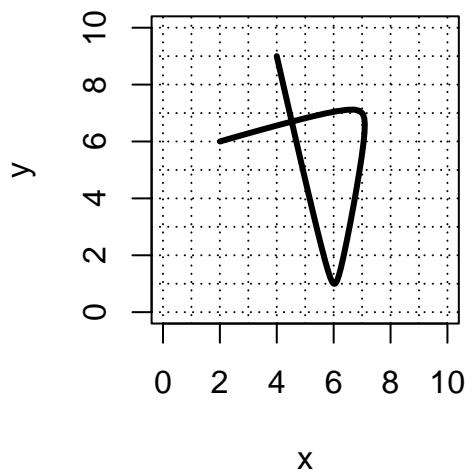
### Check if Relation is a Function (version 1)

3. A relation is shown with segments connecting elements of two sets.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

- 
4. A relation is shown as a curve plotted on an  $x, y$



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

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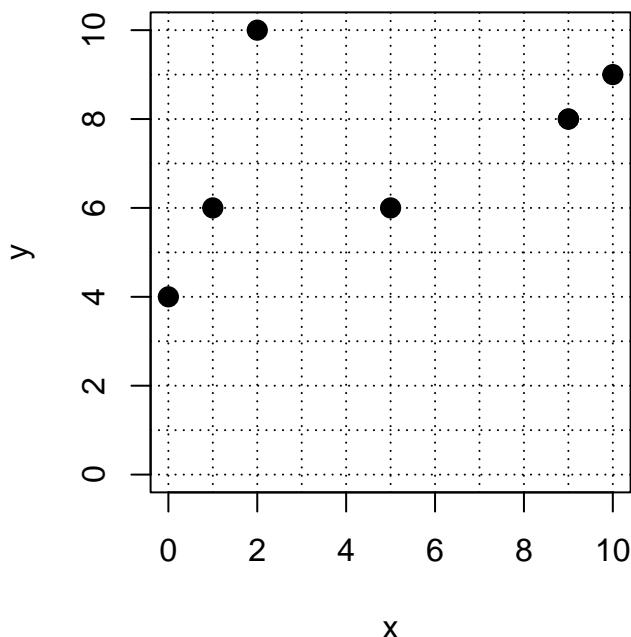
### Check if Relation is a Function (12 pts classwork, version 2)

1. A [relation](#) is expressed as a list of  $(x, y)$  ordered pairs.

$$(6, 1) \quad (8, 3) \quad (1, 6) \quad (1, 2) \quad (9, 3) \quad (2, 7)$$

- Is this list consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this list consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this list consistent with a one-to-one function? Why or why not?

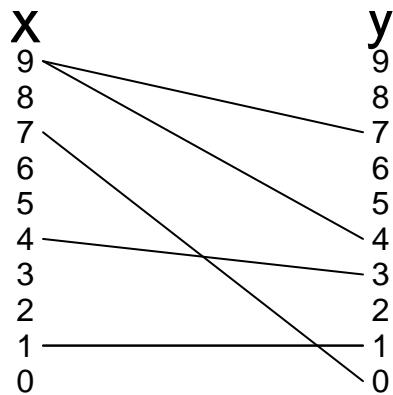
- 
2. A relation is shown as points on a graph.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

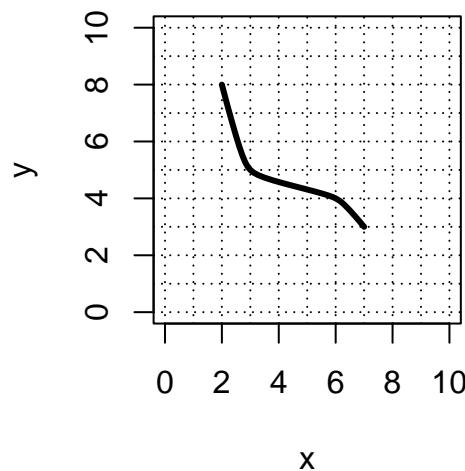
### Check if Relation is a Function (version 2)

3. A relation is shown with segments connecting elements of two sets.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

- 
4. A relation is shown as a curve plotted on an  $x, y$



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

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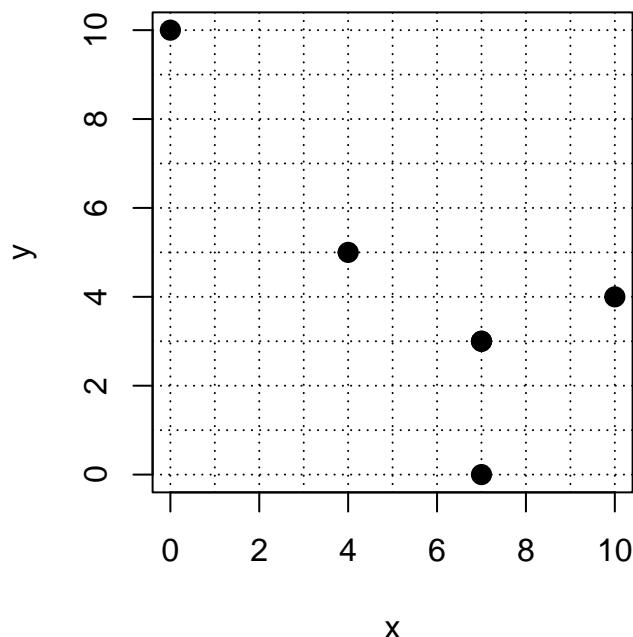
### Check if Relation is a Function (12 pts classwork, version 3)

1. A **relation** is expressed as a list of  $(x, y)$  ordered pairs.

$$(9, 1) \quad (7, 3) \quad (6, 9) \quad (1, 9) \quad (4, 2) \quad (7, 3)$$

- Is this list consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this list consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this list consistent with a one-to-one function? Why or why not?

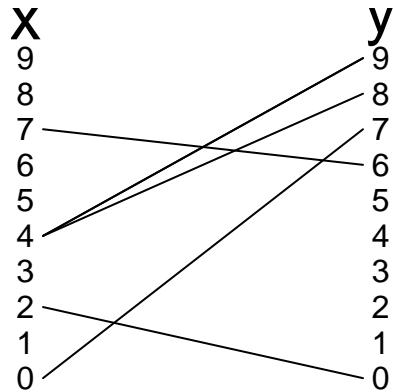
- 
2. A relation is shown as points on a graph.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

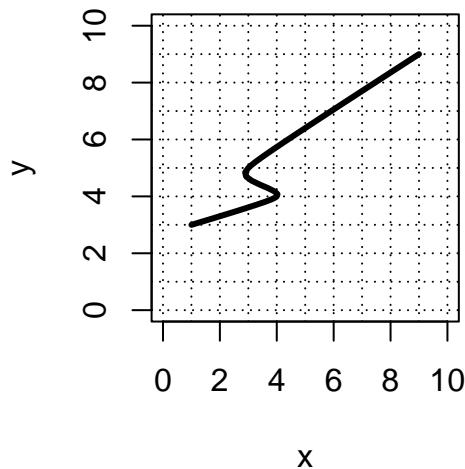
### Check if Relation is a Function (version 3)

3. A relation is shown with segments connecting elements of two sets.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

- 
4. A relation is shown as a curve plotted on an  $x, y$



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

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### Check if Relation is a Function (12 pts classwork, version 4)

1. A **relation** is expressed as a list of  $(x, y)$  ordered pairs.

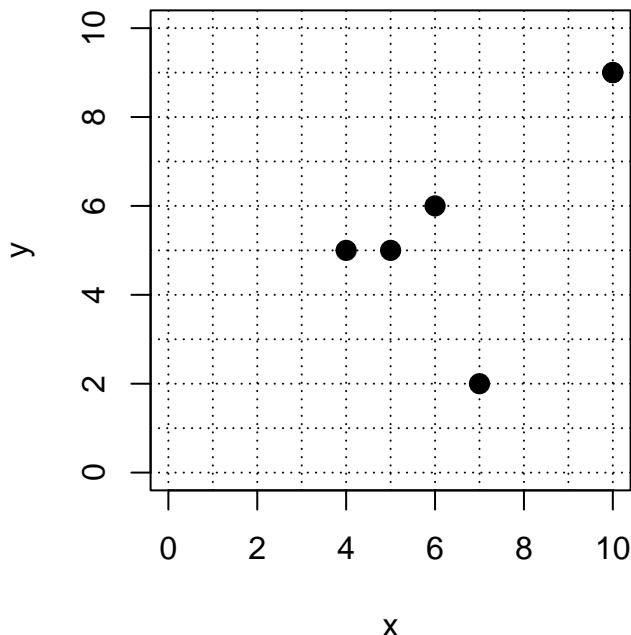
$$(8, 2) \quad (2, 3) \quad (3, 4) \quad (4, 5) \quad (3, 4) \quad (9, 6) \quad (2, 9)$$

- Is this list consistent with  $y$  being a function of  $x$ ? Why or why not?

- Is this list consistent with  $x$  being a function of  $y$ ? Why or why not?

- Is this list consistent with a one-to-one function? Why or why not?

- 
2. A relation is shown as points on a graph.



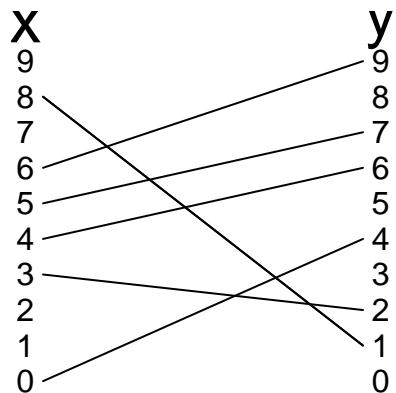
- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?

- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?

- Is this relation consistent with a one-to-one function? Why or why not?

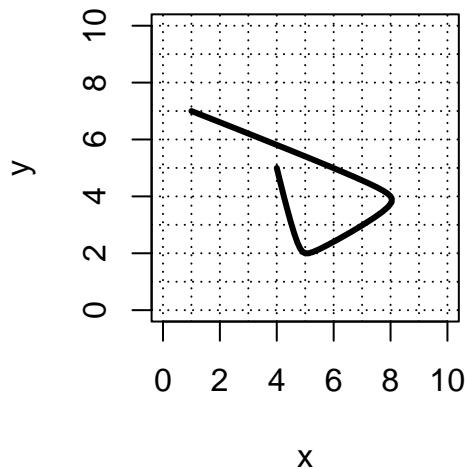
### Check if Relation is a Function (version 4)

3. A relation is shown with segments connecting elements of two sets.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

- 
4. A relation is shown as a curve plotted on an  $x, y$



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

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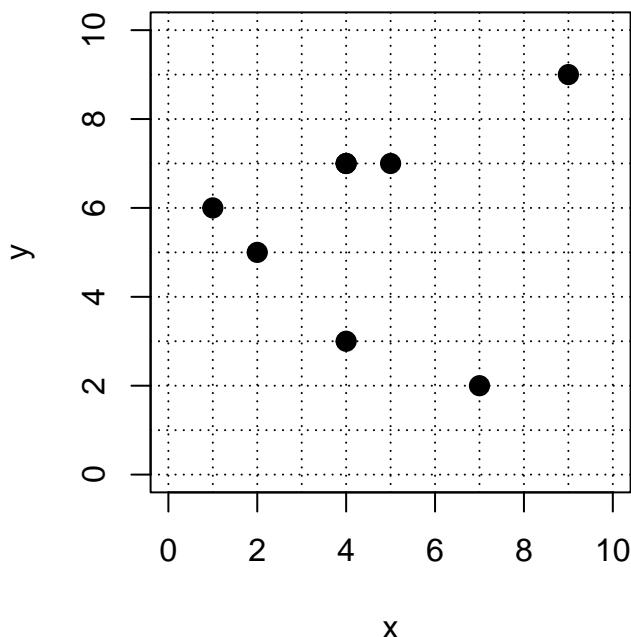
### Check if Relation is a Function (12 pts classwork, version 5)

1. A [relation](#) is expressed as a list of  $(x, y)$  ordered pairs.

$$(7, 8) \quad (6, 9) \quad (7, 6) \quad (6, 9) \quad (8, 3)$$

- Is this list consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this list consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this list consistent with a one-to-one function? Why or why not?

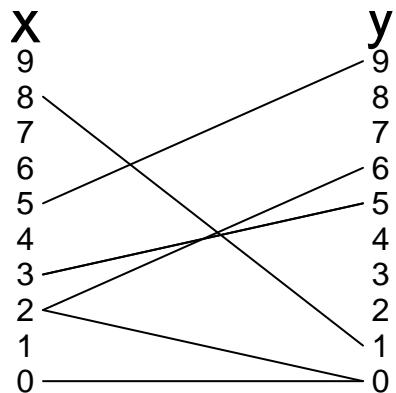
- 
2. A relation is shown as points on a graph.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

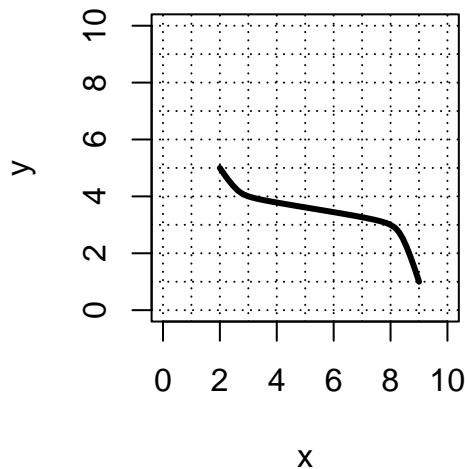
### Check if Relation is a Function (version 5)

3. A relation is shown with segments connecting elements of two sets.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

- 
4. A relation is shown as a curve plotted on an  $x,y$



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

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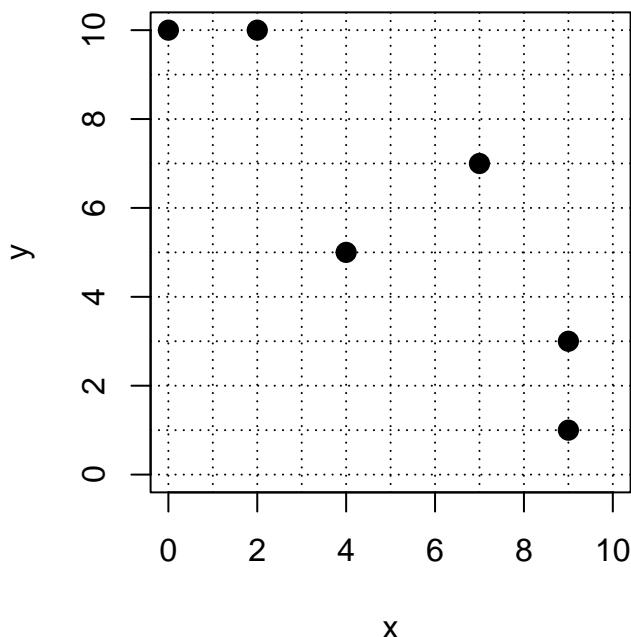
### Check if Relation is a Function (12 pts classwork, version 6)

1. A [relation](#) is expressed as a list of  $(x, y)$  ordered pairs.

$$(7, 1) \quad (6, 6) \quad (2, 6) \quad (8, 9) \quad (5, 4) \quad (5, 4)$$

- Is this list consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this list consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this list consistent with a one-to-one function? Why or why not?

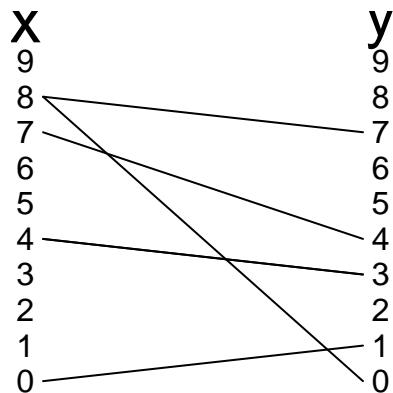
- 
2. A relation is shown as points on a graph.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

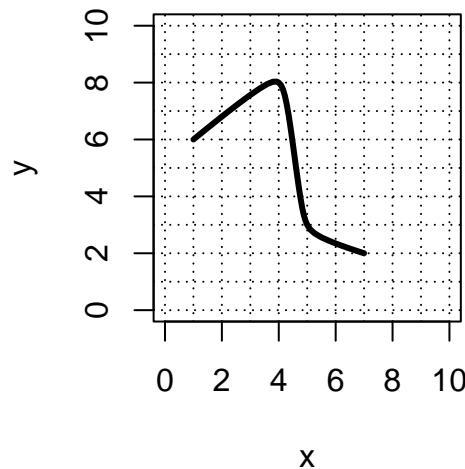
### Check if Relation is a Function (version 6)

3. A relation is shown with segments connecting elements of two sets.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

- 
4. A relation is shown as a curve plotted on an  $x, y$



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

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### Check if Relation is a Function (12 pts classwork, version 7)

1. A [relation](#) is expressed as a list of  $(x, y)$  ordered pairs.

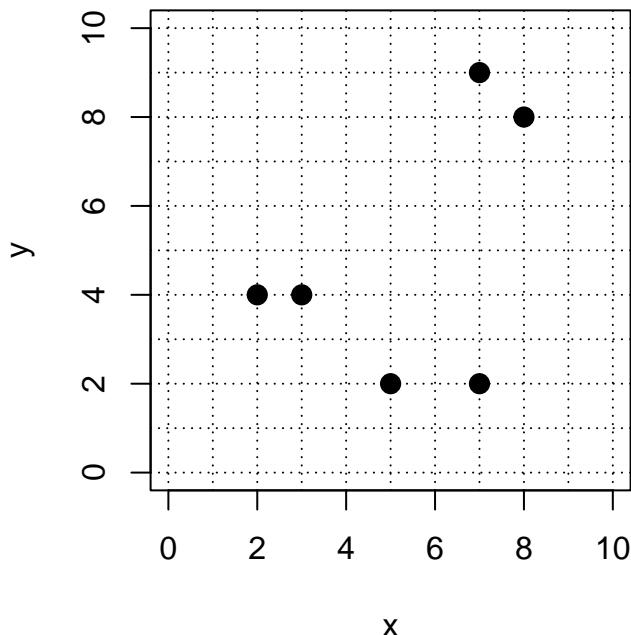
$$(2, 8) \quad (8, 5) \quad (5, 2) \quad (3, 6) \quad (2, 8) \quad (9, 4) \quad (9, 9)$$

- Is this list consistent with  $y$  being a function of  $x$ ? Why or why not?

- Is this list consistent with  $x$  being a function of  $y$ ? Why or why not?

- Is this list consistent with a one-to-one function? Why or why not?

- 
2. A relation is shown as points on a graph.



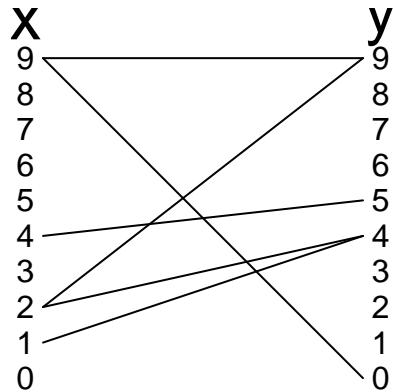
- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?

- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?

- Is this relation consistent with a one-to-one function? Why or why not?

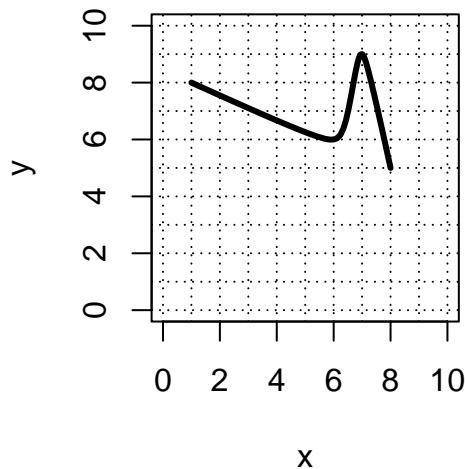
### Check if Relation is a Function (version 7)

3. A relation is shown with segments connecting elements of two sets.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

- 
4. A relation is shown as a curve plotted on an  $x, y$



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

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### Check if Relation is a Function (12 pts classwork, version 8)

1. A **relation** is expressed as a list of  $(x, y)$  ordered pairs.

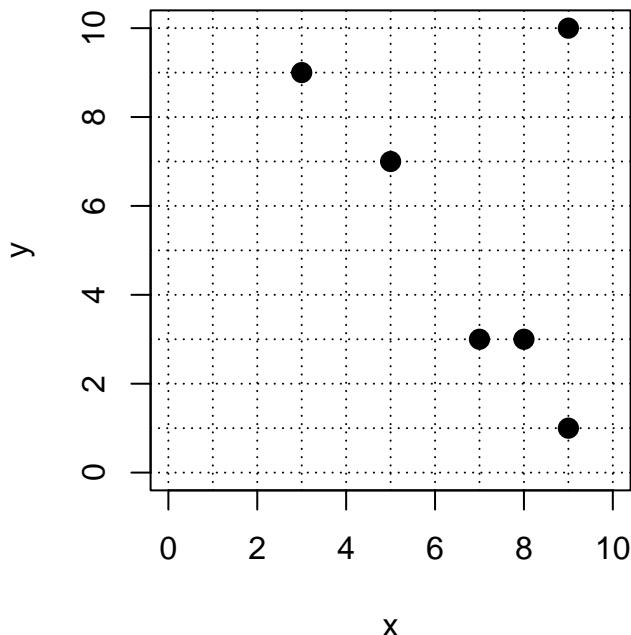
$$(4, 8) \quad (5, 7) \quad (7, 3) \quad (8, 4) \quad (3, 5) \quad (4, 8) \quad (2, 6)$$

- Is this list consistent with  $y$  being a function of  $x$ ? Why or why not?

- Is this list consistent with  $x$  being a function of  $y$ ? Why or why not?

- Is this list consistent with a one-to-one function? Why or why not?

- 
2. A relation is shown as points on a graph.



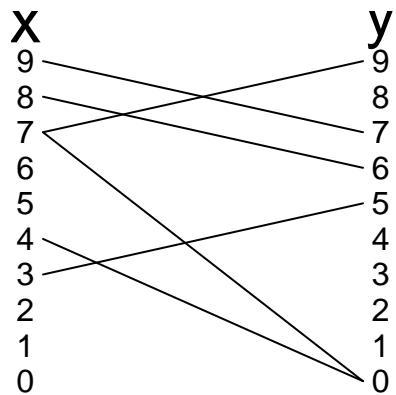
- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?

- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?

- Is this relation consistent with a one-to-one function? Why or why not?

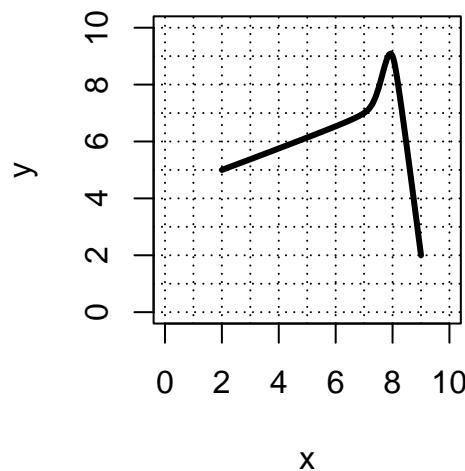
### Check if Relation is a Function (version 8)

3. A relation is shown with segments connecting elements of two sets.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

- 
4. A relation is shown as a curve plotted on an  $x, y$



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

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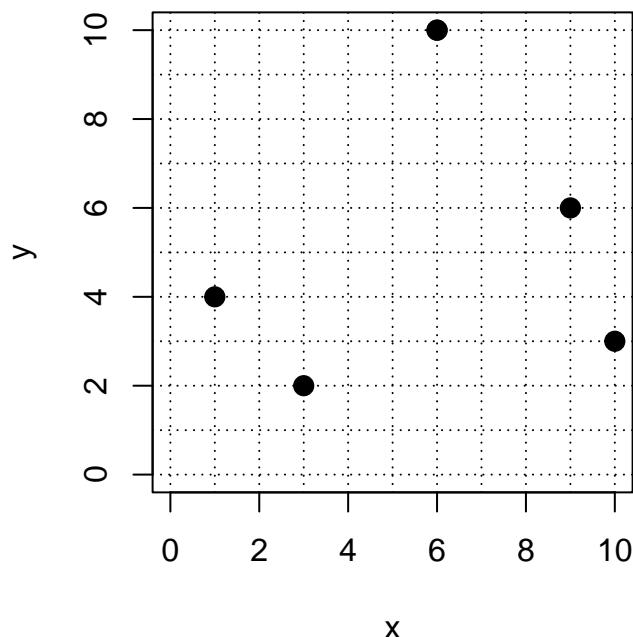
### Check if Relation is a Function (12 pts classwork, version 9)

1. A **relation** is expressed as a list of  $(x, y)$  ordered pairs.

$$(8, 3) \quad (3, 9) \quad (3, 6) \quad (5, 9) \quad (2, 1) \quad (5, 5)$$

- Is this list consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this list consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this list consistent with a one-to-one function? Why or why not?

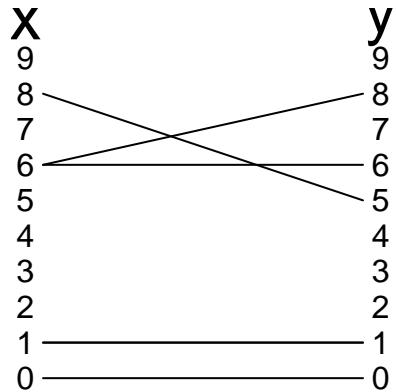
- 
2. A relation is shown as points on a graph.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

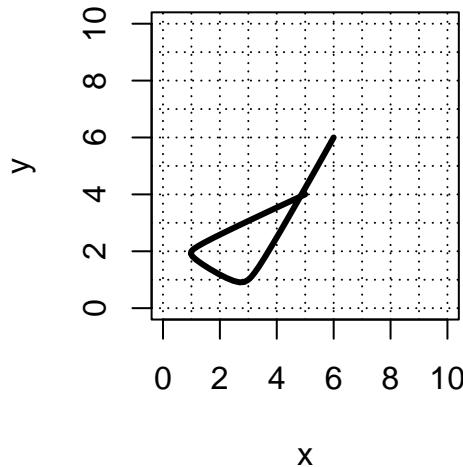
### Check if Relation is a Function (version 9)

3. A relation is shown with segments connecting elements of two sets.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

- 
4. A relation is shown as a curve plotted on an  $x, y$



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

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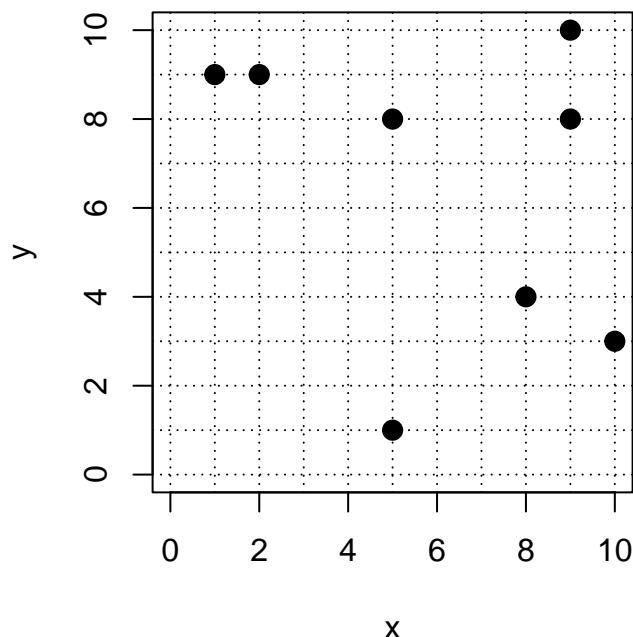
### Check if Relation is a Function (12 pts classwork, version 10)

1. A **relation** is expressed as a list of  $(x, y)$  ordered pairs.

$$(7, 7) \quad (8, 2) \quad (6, 8) \quad (7, 8) \quad (3, 7) \quad (8, 6)$$

- Is this list consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this list consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this list consistent with a one-to-one function? Why or why not?

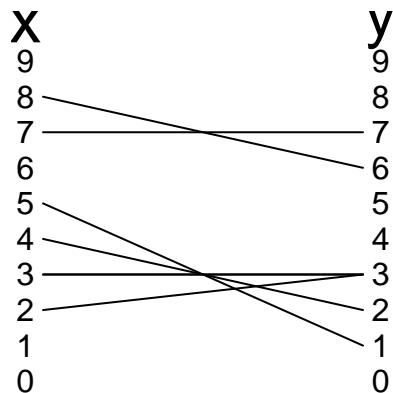
- 
2. A relation is shown as points on a graph.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

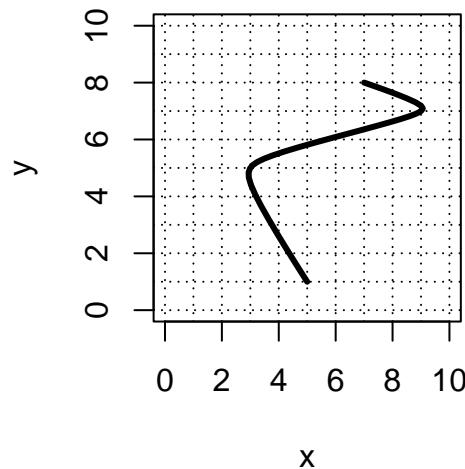
### Check if Relation is a Function (version 10)

3. A relation is shown with segments connecting elements of two sets.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

- 
4. A relation is shown as a curve plotted on an  $x, y$



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

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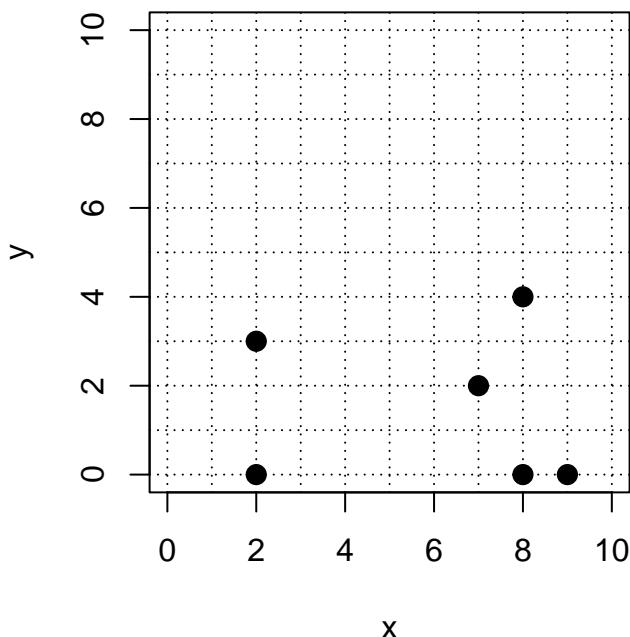
### Check if Relation is a Function (12 pts classwork, version 11)

1. A **relation** is expressed as a list of  $(x, y)$  ordered pairs.

$$(2, 8) \quad (9, 4) \quad (3, 3) \quad (9, 4) \quad (1, 5)$$

- Is this list consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this list consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this list consistent with a one-to-one function? Why or why not?

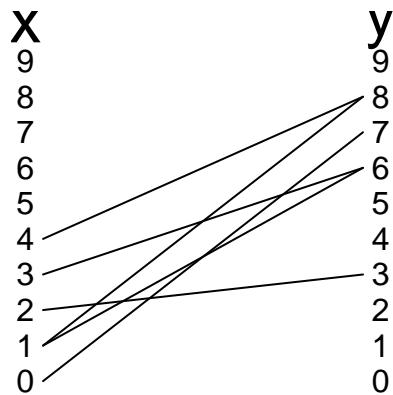
- 
2. A relation is shown as points on a graph.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

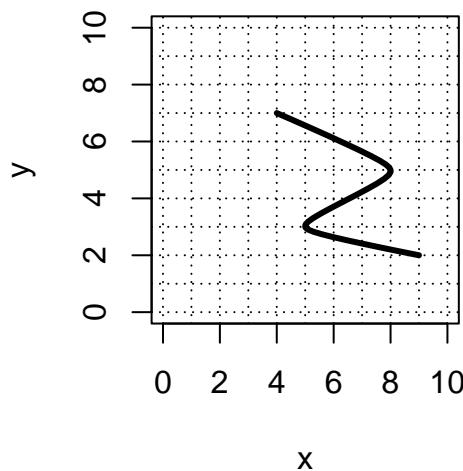
### Check if Relation is a Function (version 11)

3. A relation is shown with segments connecting elements of two sets.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

- 
4. A relation is shown as a curve plotted on an  $x, y$



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

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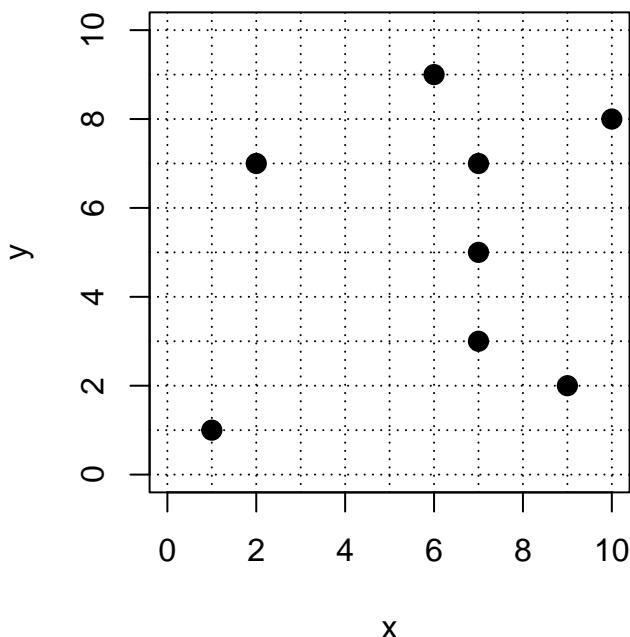
### Check if Relation is a Function (12 pts classwork, version 12)

1. A **relation** is expressed as a list of  $(x, y)$  ordered pairs.

$$(5, 9) \quad (1, 4) \quad (2, 5) \quad (1, 4) \quad (1, 4)$$

- Is this list consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this list consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this list consistent with a one-to-one function? Why or why not?

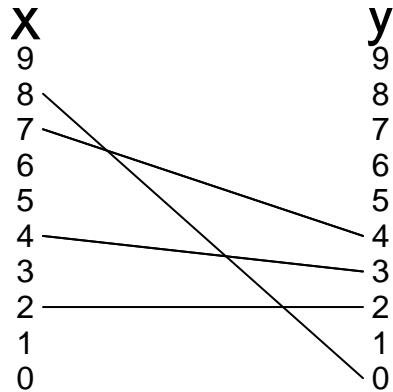
- 
2. A relation is shown as points on a graph.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

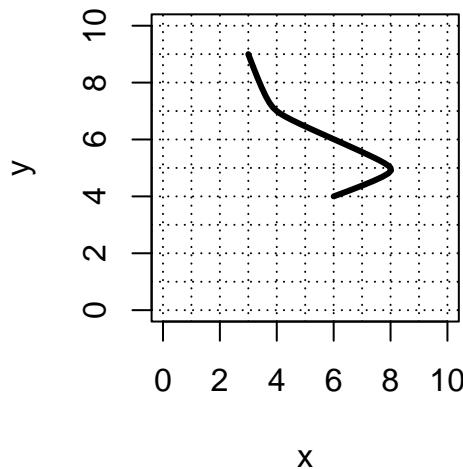
### Check if Relation is a Function (version 12)

3. A relation is shown with segments connecting elements of two sets.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

- 
4. A relation is shown as a curve plotted on an  $x, y$



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

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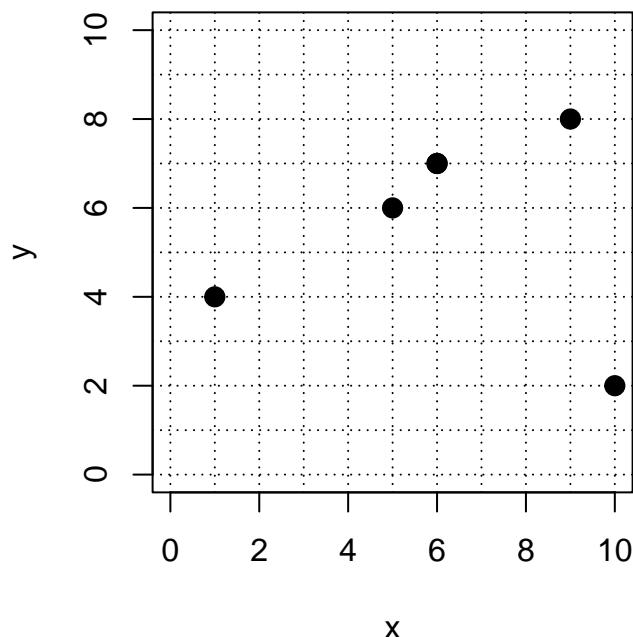
### Check if Relation is a Function (12 pts classwork, version 13)

1. A **relation** is expressed as a list of  $(x, y)$  ordered pairs.

$$(5, 7) \quad (2, 3) \quad (6, 1) \quad (8, 8) \quad (6, 6) \quad (8, 8)$$

- Is this list consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this list consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this list consistent with a one-to-one function? Why or why not?

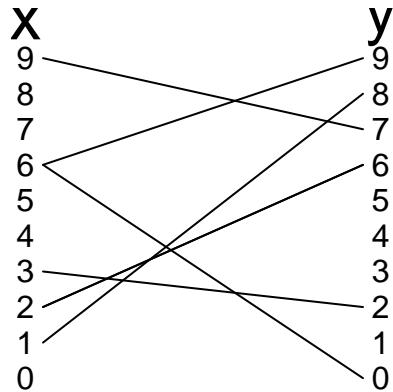
- 
2. A relation is shown as points on a graph.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

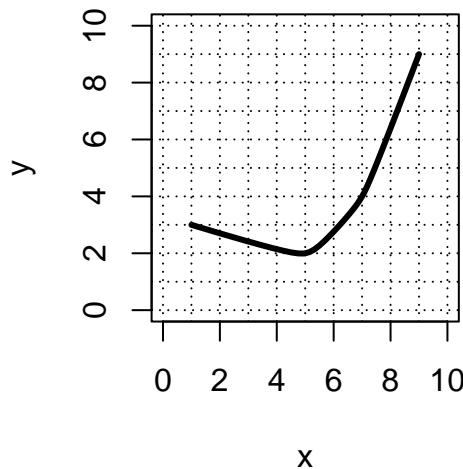
### Check if Relation is a Function (version 13)

3. A relation is shown with segments connecting elements of two sets.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

- 
4. A relation is shown as a curve plotted on an  $x, y$



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

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### Check if Relation is a Function (12 pts classwork, version 14)

1. A **relation** is expressed as a list of  $(x, y)$  ordered pairs.

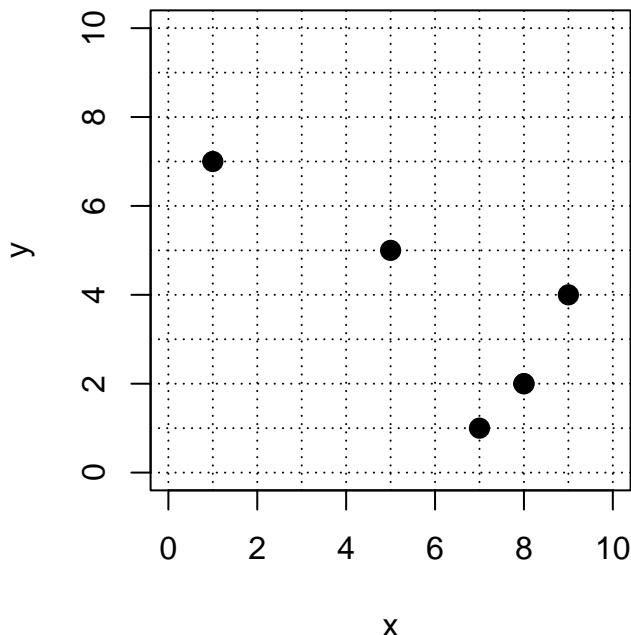
$$(4, 1) \quad (4, 7) \quad (1, 1) \quad (9, 6) \quad (3, 4) \quad (5, 5) \quad (3, 9)$$

- Is this list consistent with  $y$  being a function of  $x$ ? Why or why not?

- Is this list consistent with  $x$  being a function of  $y$ ? Why or why not?

- Is this list consistent with a one-to-one function? Why or why not?

- 
2. A relation is shown as points on a graph.



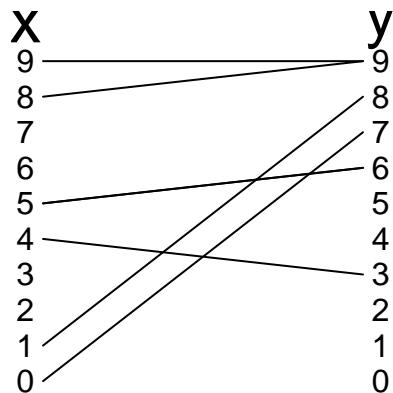
- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?

- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?

- Is this relation consistent with a one-to-one function? Why or why not?

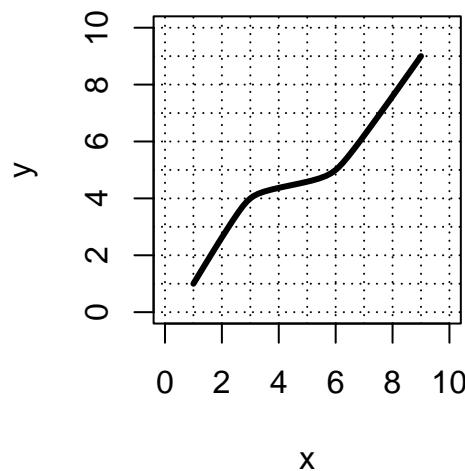
### Check if Relation is a Function (version 14)

3. A relation is shown with segments connecting elements of two sets.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

- 
4. A relation is shown as a curve plotted on an  $x, y$



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

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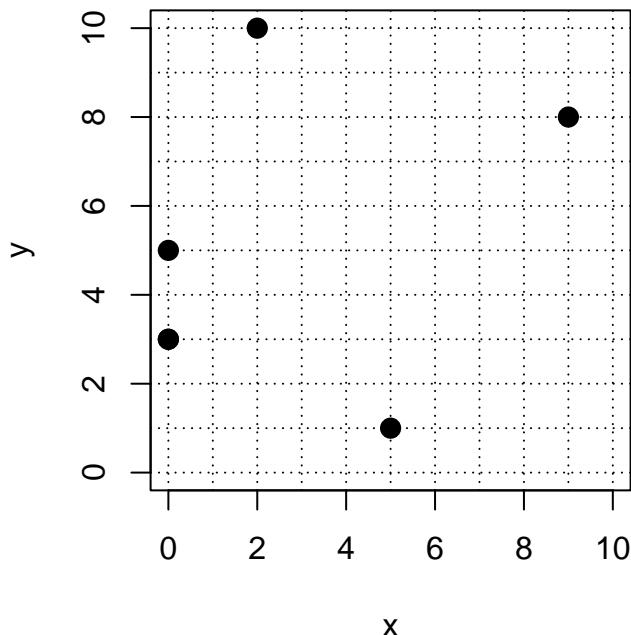
### Check if Relation is a Function (12 pts classwork, version 15)

1. A **relation** is expressed as a list of  $(x, y)$  ordered pairs.

$$(2, 4) \quad (9, 6) \quad (6, 1) \quad (1, 5) \quad (5, 5) \quad (9, 7)$$

- Is this list consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this list consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this list consistent with a one-to-one function? Why or why not?

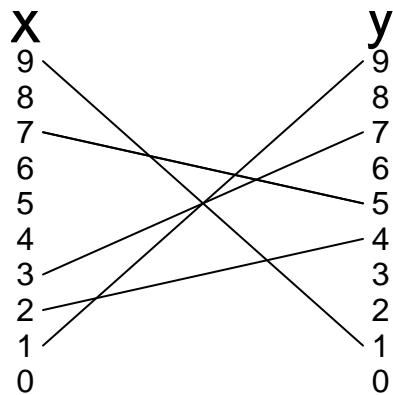
- 
2. A relation is shown as points on a graph.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

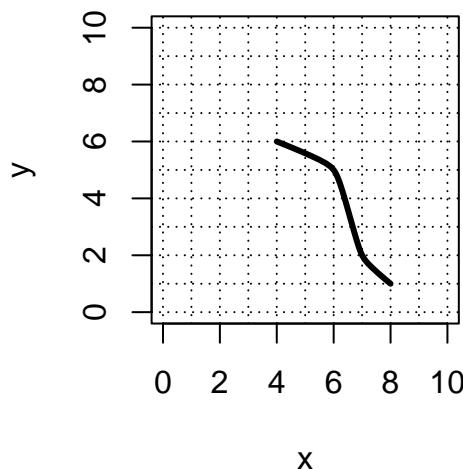
### Check if Relation is a Function (version 15)

3. A relation is shown with segments connecting elements of two sets.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

- 
4. A relation is shown as a curve plotted on an  $x, y$



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

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### Check if Relation is a Function (12 pts classwork, version 16)

1. A **relation** is expressed as a list of  $(x, y)$  ordered pairs.

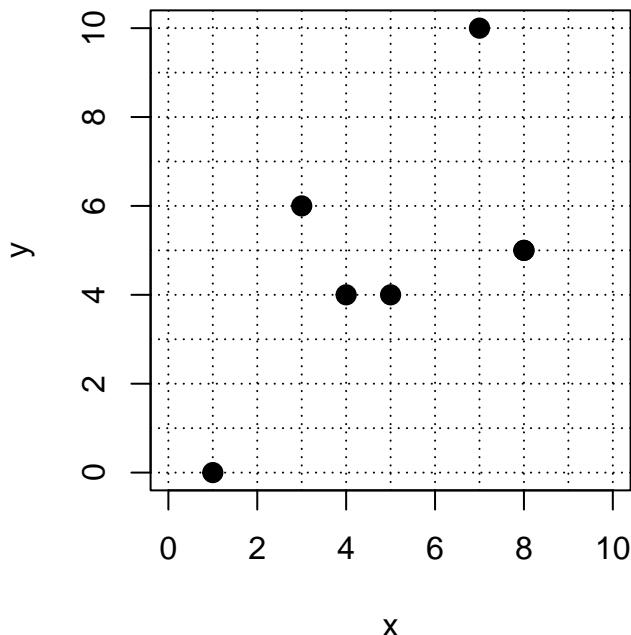
$$(8, 9) \quad (4, 3) \quad (4, 5) \quad (1, 8) \quad (3, 8) \quad (8, 4) \quad (6, 5)$$

- Is this list consistent with  $y$  being a function of  $x$ ? Why or why not?

- Is this list consistent with  $x$  being a function of  $y$ ? Why or why not?

- Is this list consistent with a one-to-one function? Why or why not?

- 
2. A relation is shown as points on a graph.



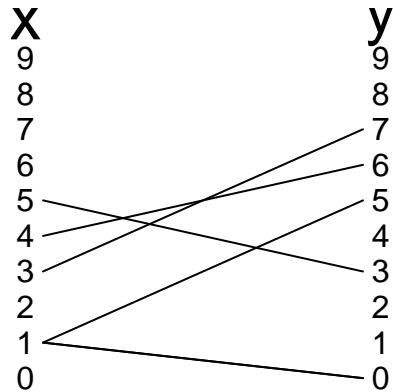
- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?

- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?

- Is this relation consistent with a one-to-one function? Why or why not?

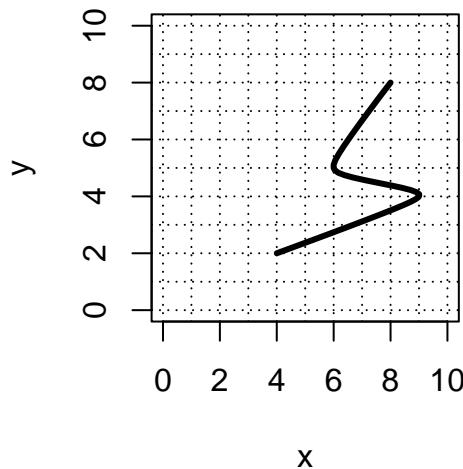
### Check if Relation is a Function (version 16)

3. A relation is shown with segments connecting elements of two sets.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

- 
4. A relation is shown as a curve plotted on an  $x, y$



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

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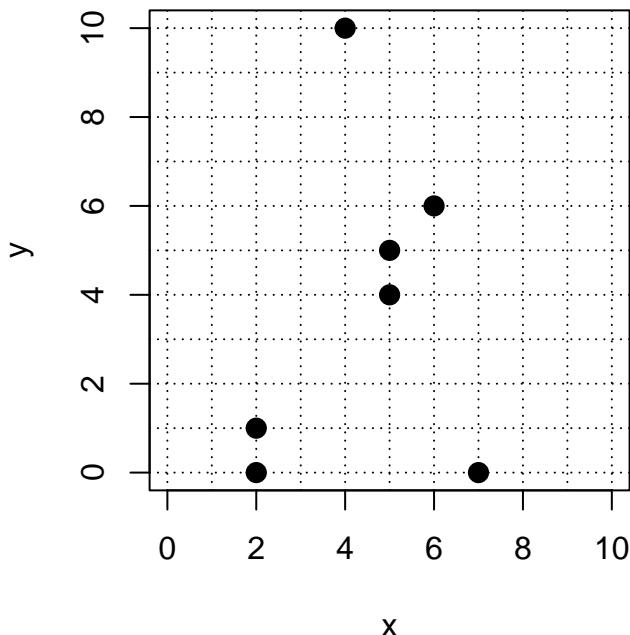
### Check if Relation is a Function (12 pts classwork, version 17)

1. A **relation** is expressed as a list of  $(x, y)$  ordered pairs.

$$(3, 2) \quad (9, 4) \quad (7, 5) \quad (7, 5) \quad (9, 4)$$

- Is this list consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this list consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this list consistent with a one-to-one function? Why or why not?

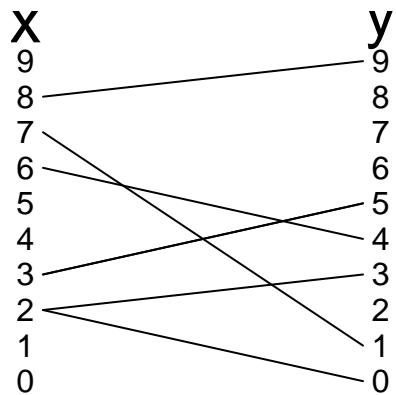
- 
2. A relation is shown as points on a graph.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

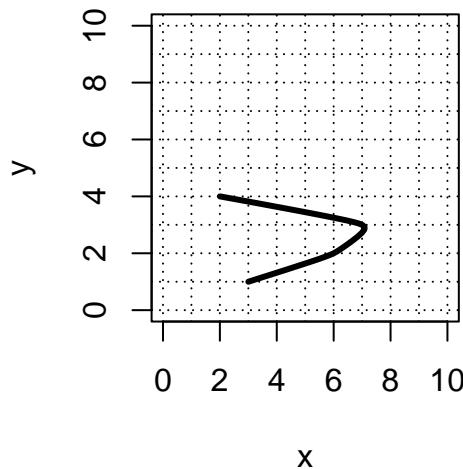
### Check if Relation is a Function (version 17)

3. A relation is shown with segments connecting elements of two sets.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

- 
4. A relation is shown as a curve plotted on an  $x, y$



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

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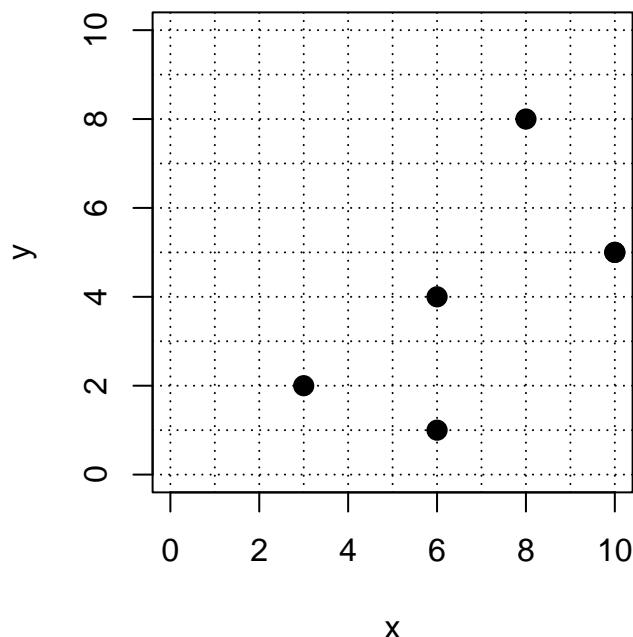
### Check if Relation is a Function (12 pts classwork, version 18)

1. A **relation** is expressed as a list of  $(x, y)$  ordered pairs.

$$(2, 5) \quad (5, 2) \quad (4, 9) \quad (6, 7) \quad (6, 7) \quad (8, 8)$$

- Is this list consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this list consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this list consistent with a one-to-one function? Why or why not?

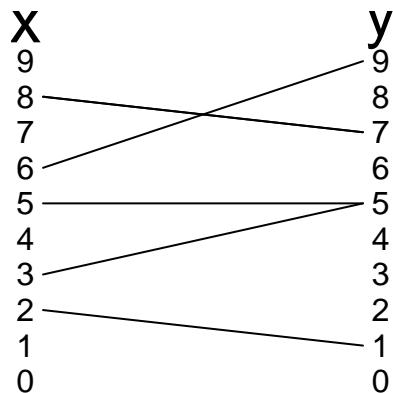
- 
2. A relation is shown as points on a graph.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

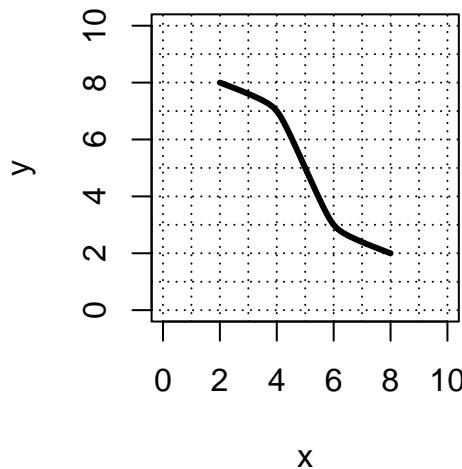
### Check if Relation is a Function (version 18)

3. A relation is shown with segments connecting elements of two sets.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

- 
4. A relation is shown as a curve plotted on an  $x, y$



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

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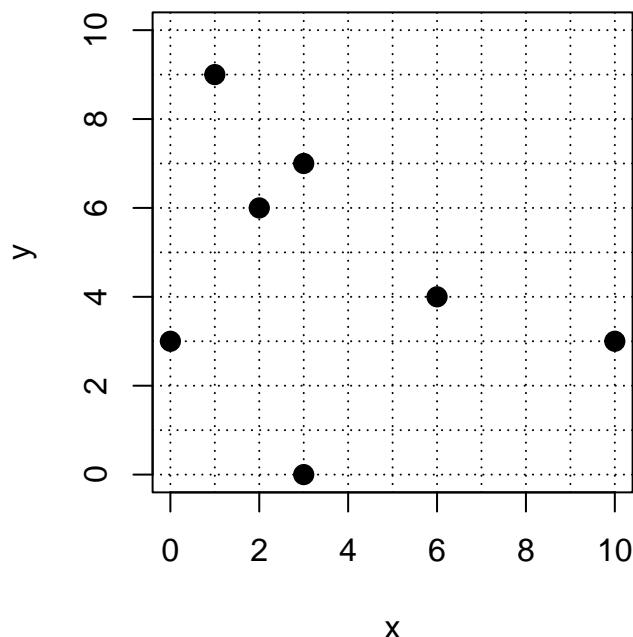
### Check if Relation is a Function (12 pts classwork, version 19)

1. A **relation** is expressed as a list of  $(x, y)$  ordered pairs.

$$(6, 4) \quad (3, 6) \quad (9, 4) \quad (4, 8) \quad (3, 6) \quad (2, 7) \quad (8, 3)$$

- Is this list consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this list consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this list consistent with a one-to-one function? Why or why not?

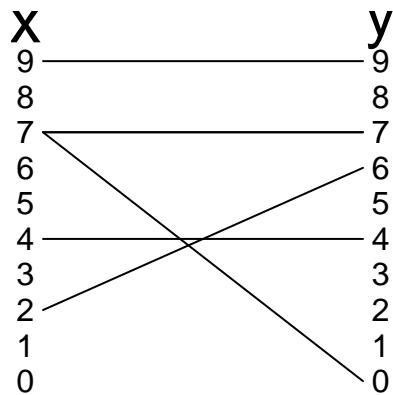
- 
2. A relation is shown as points on a graph.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

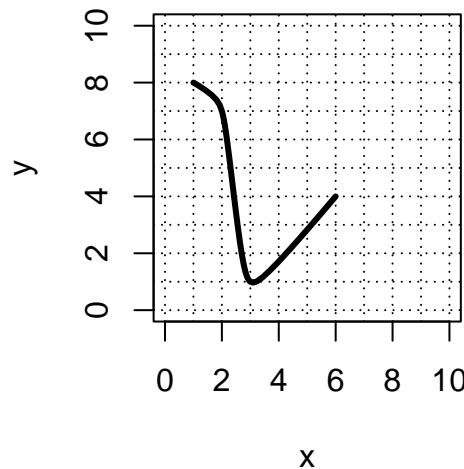
### Check if Relation is a Function (version 19)

3. A relation is shown with segments connecting elements of two sets.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

- 
4. A relation is shown as a curve plotted on an  $x, y$



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

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### Check if Relation is a Function (12 pts classwork, version 20)

1. A **relation** is expressed as a list of  $(x, y)$  ordered pairs.

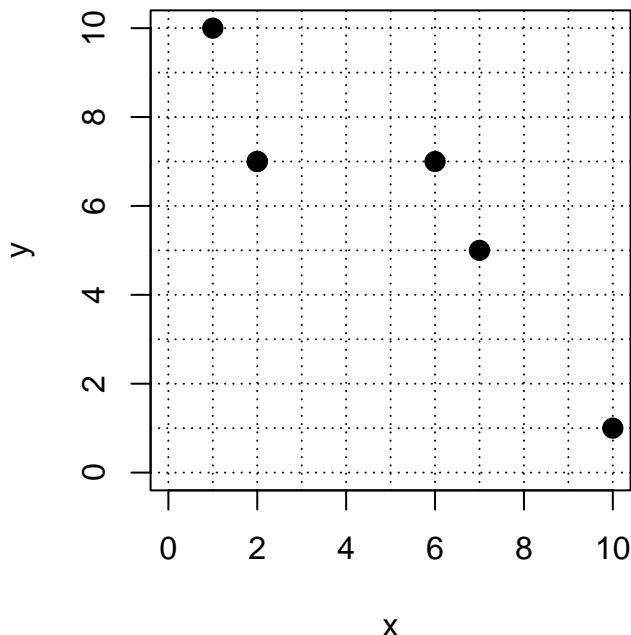
$$(2, 1) \quad (2, 1) \quad (7, 4) \quad (3, 2) \quad (9, 9) \quad (5, 3) \quad (2, 5)$$

- Is this list consistent with  $y$  being a function of  $x$ ? Why or why not?

- Is this list consistent with  $x$  being a function of  $y$ ? Why or why not?

- Is this list consistent with a one-to-one function? Why or why not?

- 
2. A relation is shown as points on a graph.



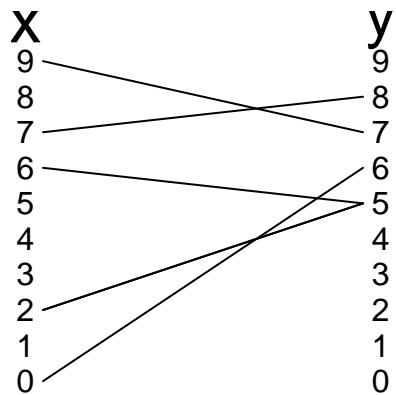
- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?

- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?

- Is this relation consistent with a one-to-one function? Why or why not?

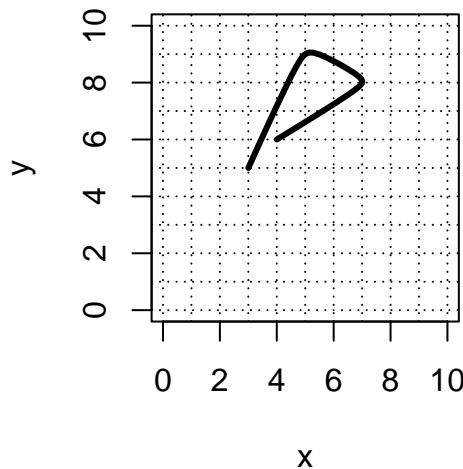
### Check if Relation is a Function (version 20)

3. A relation is shown with segments connecting elements of two sets.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

- 
4. A relation is shown as a curve plotted on an  $x, y$



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

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### Check if Relation is a Function (12 pts classwork, version 21)

1. A [relation](#) is expressed as a list of  $(x, y)$  ordered pairs.

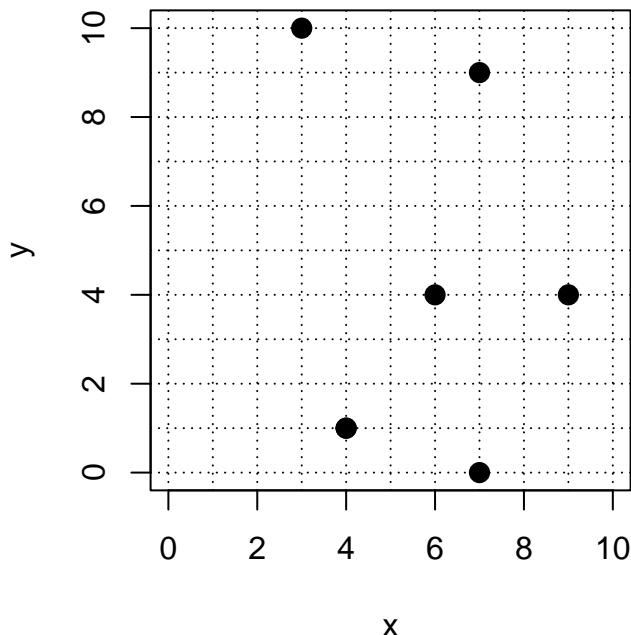
$$(9, 2) \quad (5, 3) \quad (3, 1) \quad (4, 8) \quad (6, 7) \quad (8, 7) \quad (6, 8)$$

- Is this list consistent with  $y$  being a function of  $x$ ? Why or why not?

- Is this list consistent with  $x$  being a function of  $y$ ? Why or why not?

- Is this list consistent with a one-to-one function? Why or why not?

- 
2. A relation is shown as points on a graph.



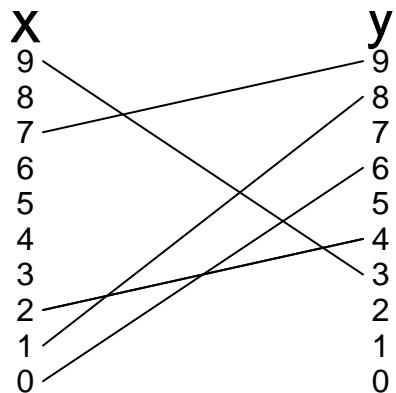
- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?

- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?

- Is this relation consistent with a one-to-one function? Why or why not?

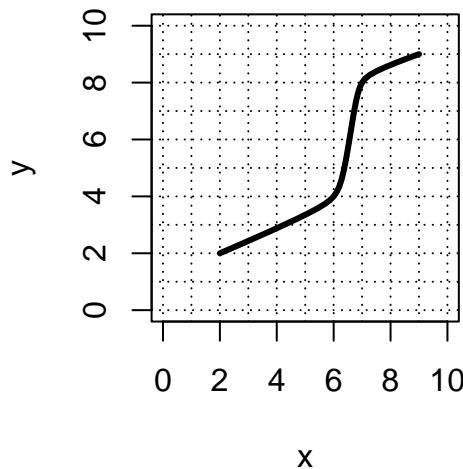
### Check if Relation is a Function (version 21)

3. A relation is shown with segments connecting elements of two sets.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

- 
4. A relation is shown as a curve plotted on an  $x, y$



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

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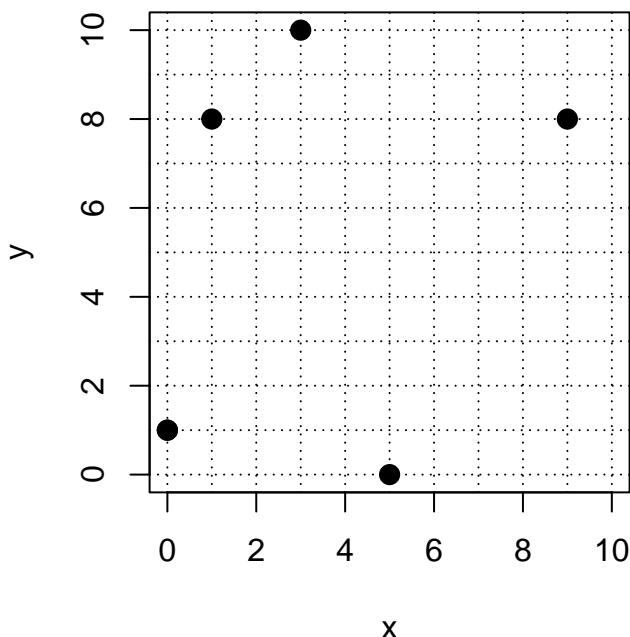
### Check if Relation is a Function (12 pts classwork, version 22)

1. A **relation** is expressed as a list of  $(x, y)$  ordered pairs.

$$(5, 4) \quad (9, 1) \quad (3, 3) \quad (3, 3) \quad (3, 6)$$

- Is this list consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this list consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this list consistent with a one-to-one function? Why or why not?

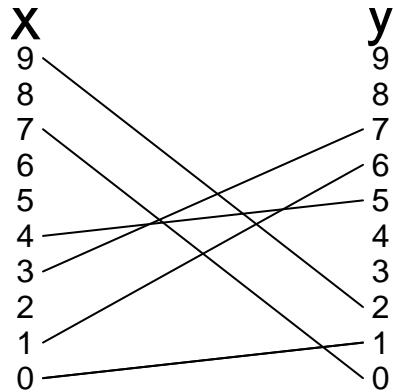
- 
2. A relation is shown as points on a graph.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

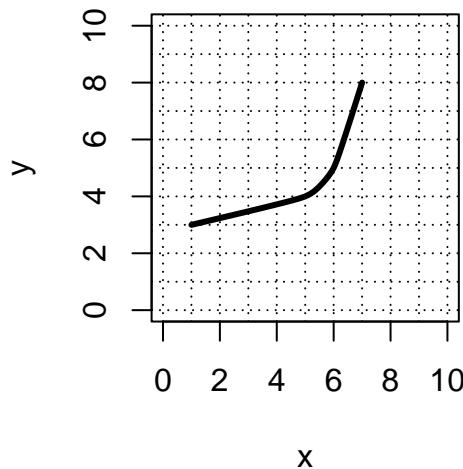
## Check if Relation is a Function (version 22)

3. A relation is shown with segments connecting elements of two sets.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

- 
4. A relation is shown as a curve plotted on an  $x, y$



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

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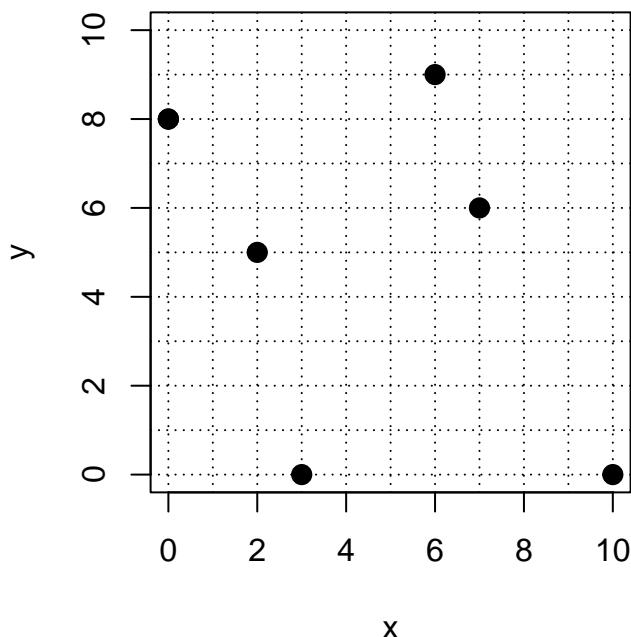
### Check if Relation is a Function (12 pts classwork, version 23)

1. A **relation** is expressed as a list of  $(x, y)$  ordered pairs.

$$(2, 2) \quad (1, 5) \quad (7, 9) \quad (1, 5) \quad (9, 5)$$

- Is this list consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this list consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this list consistent with a one-to-one function? Why or why not?

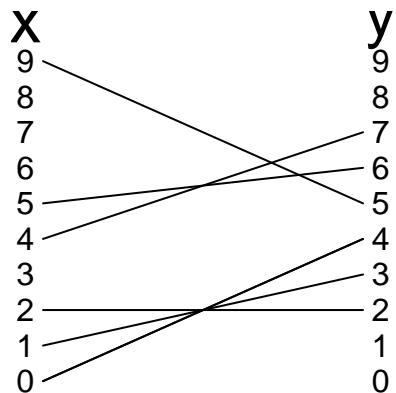
- 
2. A relation is shown as points on a graph.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

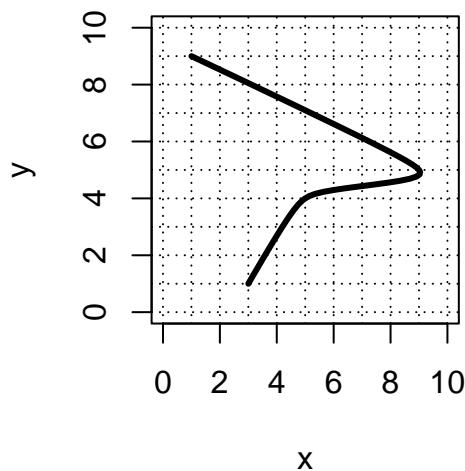
### Check if Relation is a Function (version 23)

3. A relation is shown with segments connecting elements of two sets.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

- 
4. A relation is shown as a curve plotted on an  $x, y$



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

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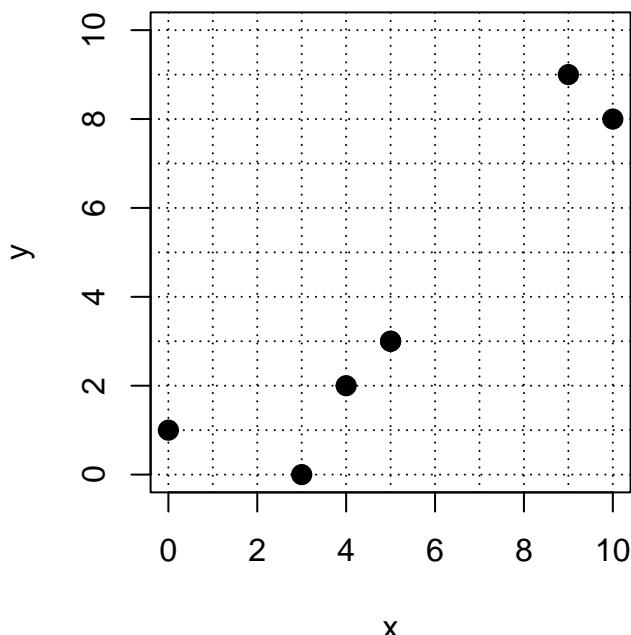
### Check if Relation is a Function (12 pts classwork, version 24)

1. A **relation** is expressed as a list of  $(x, y)$  ordered pairs.

$$(4, 4) \quad (2, 6) \quad (7, 4) \quad (8, 1) \quad (6, 3) \quad (1, 9) \quad (8, 5) \quad (6, 9)$$

- Is this list consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this list consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this list consistent with a one-to-one function? Why or why not?

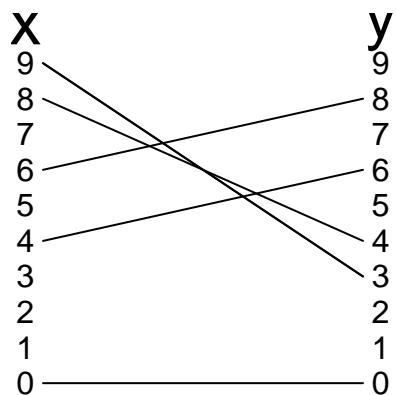
- 
2. A relation is shown as points on a graph.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

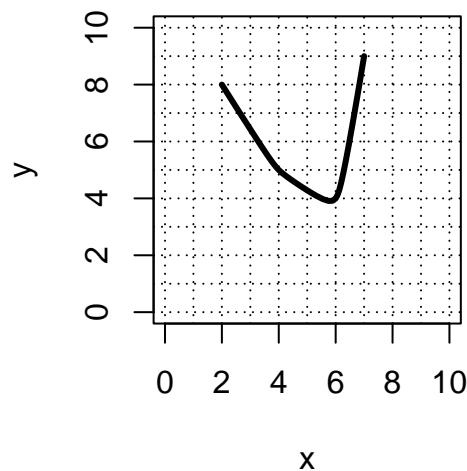
### Check if Relation is a Function (version 24)

3. A relation is shown with segments connecting elements of two sets.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

- 
4. A relation is shown as a curve plotted on an  $x, y$



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

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### Check if Relation is a Function (12 pts classwork, version 25)

1. A **relation** is expressed as a list of  $(x, y)$  ordered pairs.

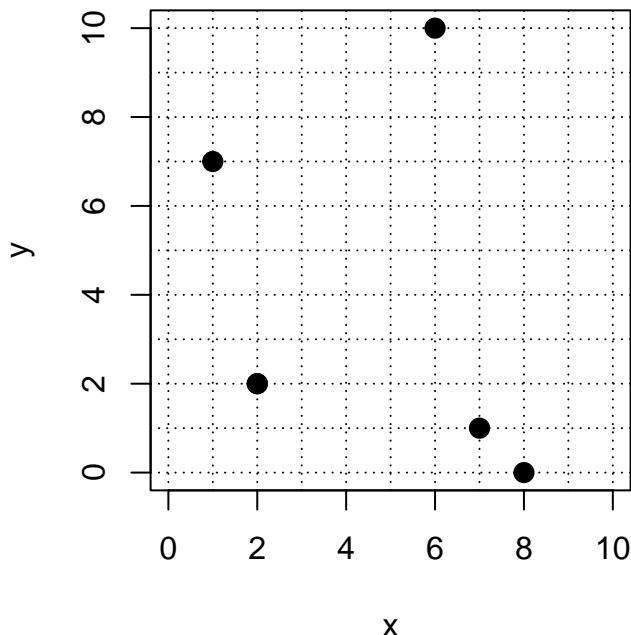
$$(9, 3) \quad (5, 6) \quad (3, 1) \quad (5, 9) \quad (4, 5) \quad (4, 2) \quad (8, 9)$$

- Is this list consistent with  $y$  being a function of  $x$ ? Why or why not?

- Is this list consistent with  $x$  being a function of  $y$ ? Why or why not?

- Is this list consistent with a one-to-one function? Why or why not?

- 
2. A relation is shown as points on a graph.



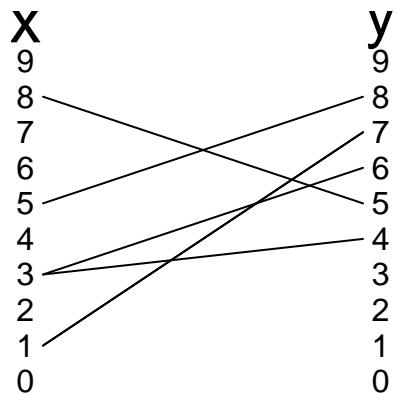
- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?

- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?

- Is this relation consistent with a one-to-one function? Why or why not?

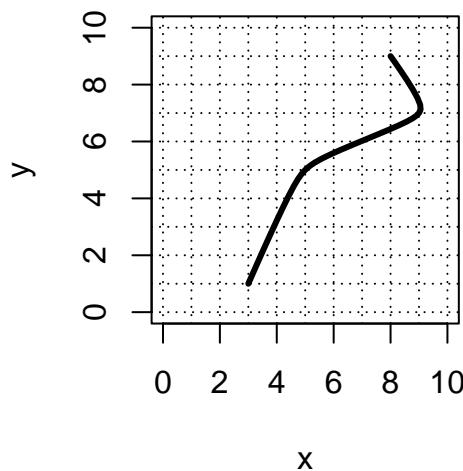
### Check if Relation is a Function (version 25)

3. A relation is shown with segments connecting elements of two sets.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

- 
4. A relation is shown as a curve plotted on an  $x, y$



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

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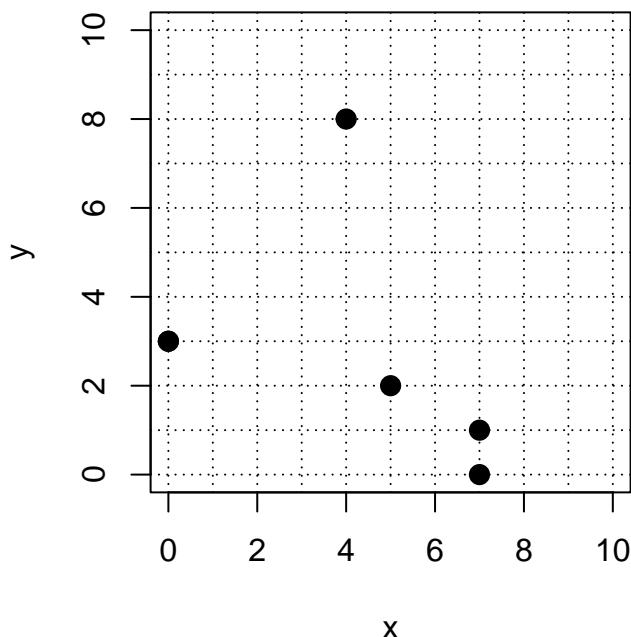
### Check if Relation is a Function (12 pts classwork, version 26)

1. A **relation** is expressed as a list of  $(x, y)$  ordered pairs.

$$(1, 5) \quad (6, 2) \quad (2, 9) \quad (2, 9) \quad (3, 3)$$

- Is this list consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this list consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this list consistent with a one-to-one function? Why or why not?

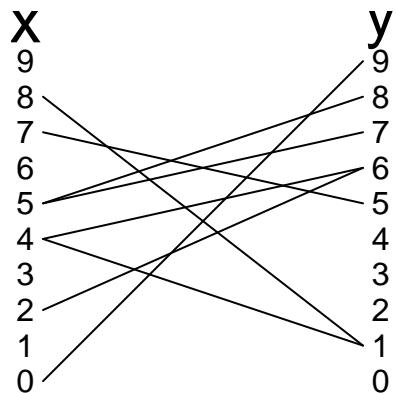
- 
2. A relation is shown as points on a graph.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

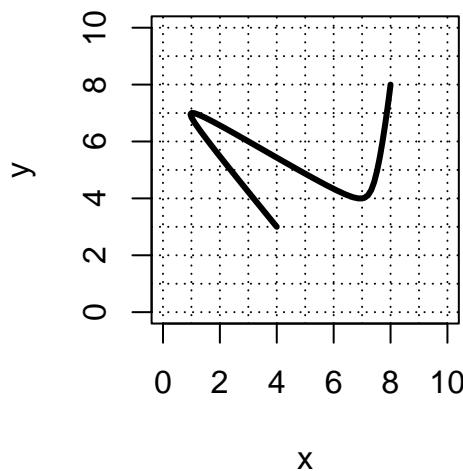
### Check if Relation is a Function (version 26)

3. A relation is shown with segments connecting elements of two sets.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

- 
4. A relation is shown as a curve plotted on an  $x, y$



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

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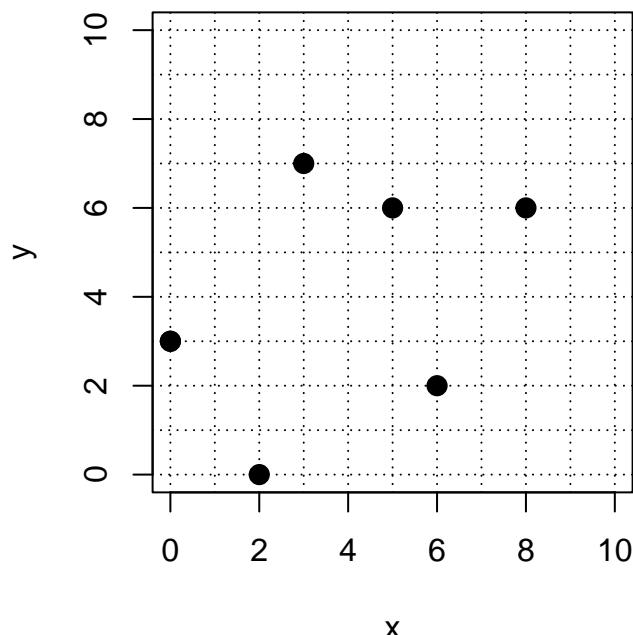
### Check if Relation is a Function (12 pts classwork, version 27)

1. A **relation** is expressed as a list of  $(x, y)$  ordered pairs.

$$(8, 8) \quad (1, 6) \quad (7, 2) \quad (9, 6) \quad (1, 6) \quad (5, 5) \quad (6, 4) \quad (3, 9)$$

- Is this list consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this list consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this list consistent with a one-to-one function? Why or why not?

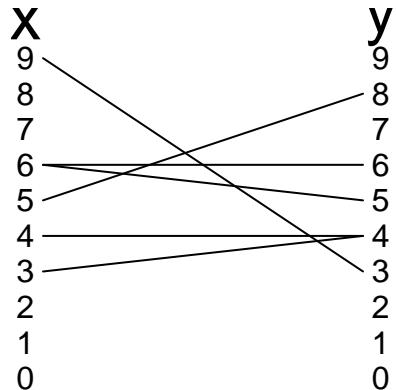
- 
2. A relation is shown as points on a graph.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

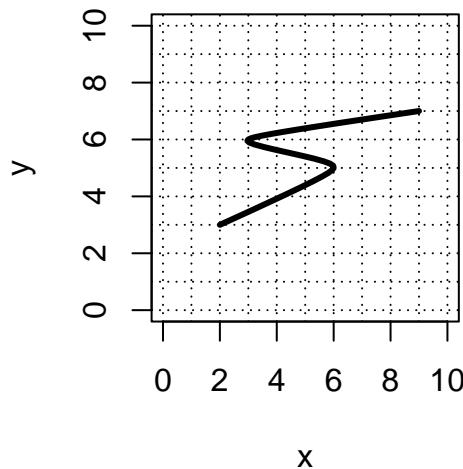
### Check if Relation is a Function (version 27)

3. A relation is shown with segments connecting elements of two sets.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

- 
4. A relation is shown as a curve plotted on an  $x, y$



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

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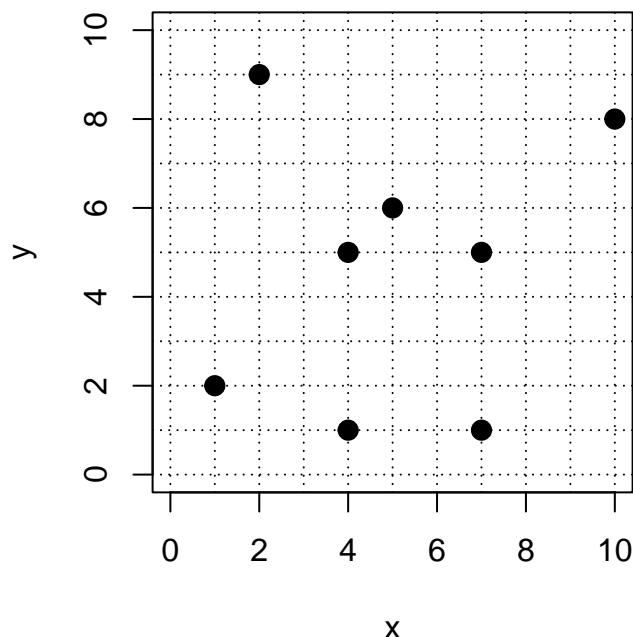
### Check if Relation is a Function (12 pts classwork, version 28)

1. A **relation** is expressed as a list of  $(x, y)$  ordered pairs.

$$(5, 6) \quad (3, 2) \quad (9, 6) \quad (2, 4) \quad (8, 9) \quad (3, 2)$$

- Is this list consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this list consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this list consistent with a one-to-one function? Why or why not?

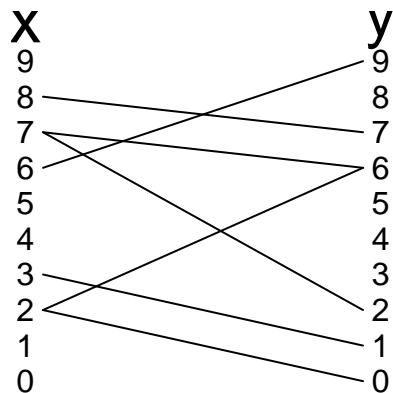
- 
2. A relation is shown as points on a graph.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

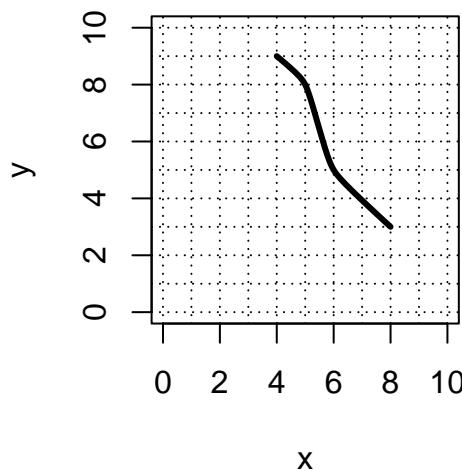
### Check if Relation is a Function (version 28)

3. A relation is shown with segments connecting elements of two sets.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

- 
4. A relation is shown as a curve plotted on an  $x, y$



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

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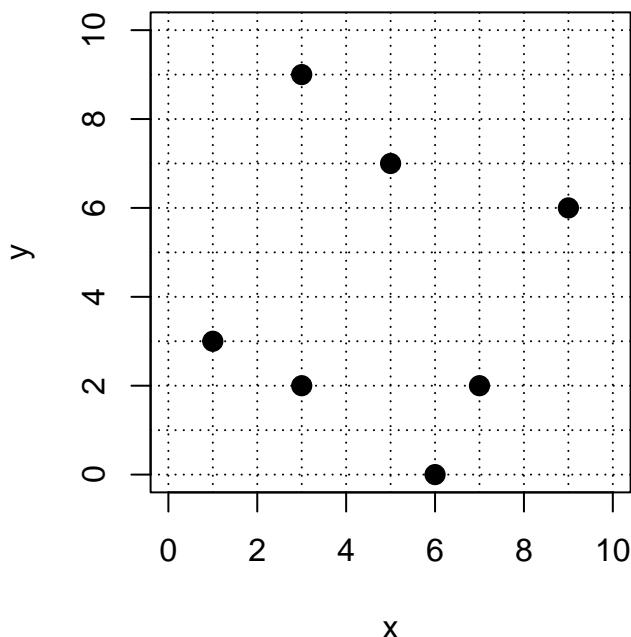
### Check if Relation is a Function (12 pts classwork, version 29)

1. A **relation** is expressed as a list of  $(x, y)$  ordered pairs.

$$(4, 8) \quad (2, 5) \quad (1, 1) \quad (4, 8) \quad (8, 8)$$

- Is this list consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this list consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this list consistent with a one-to-one function? Why or why not?

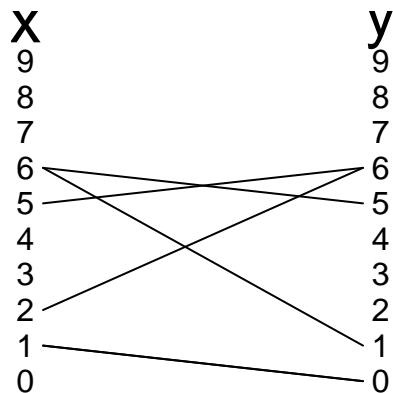
- 
2. A relation is shown as points on a graph.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

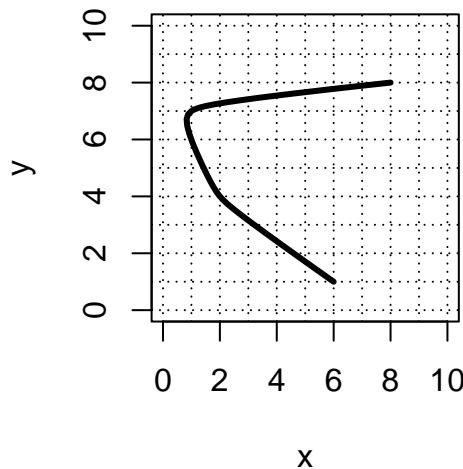
### Check if Relation is a Function (version 29)

3. A relation is shown with segments connecting elements of two sets.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

- 
4. A relation is shown as a curve plotted on an  $x, y$



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

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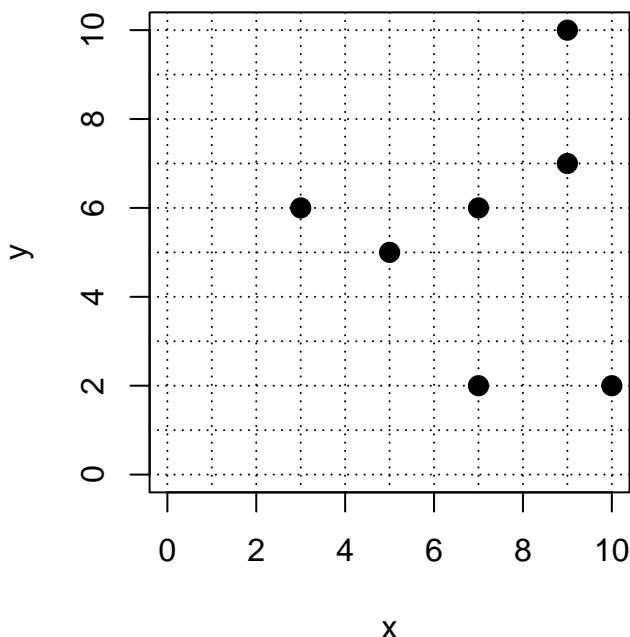
### Check if Relation is a Function (12 pts classwork, version 30)

1. A **relation** is expressed as a list of  $(x, y)$  ordered pairs.

$$(5, 9) \quad (4, 1) \quad (4, 2) \quad (2, 3) \quad (5, 9)$$

- Is this list consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this list consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this list consistent with a one-to-one function? Why or why not?

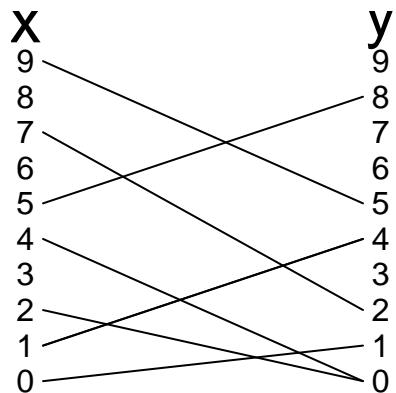
- 
2. A relation is shown as points on a graph.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

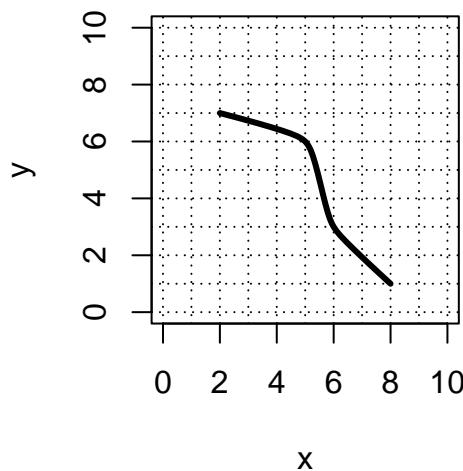
### Check if Relation is a Function (version 30)

3. A relation is shown with segments connecting elements of two sets.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

- 
4. A relation is shown as a curve plotted on an  $x, y$



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

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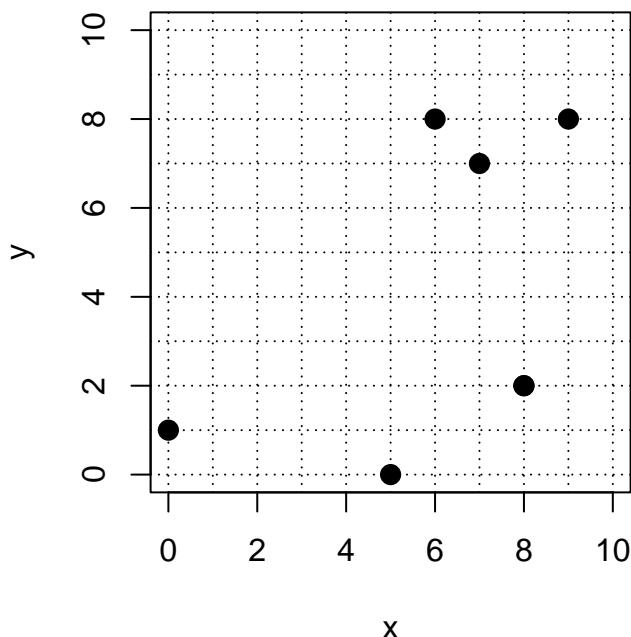
### Check if Relation is a Function (12 pts classwork, version 31)

1. A [relation](#) is expressed as a list of  $(x, y)$  ordered pairs.

$$(6, 6) \quad (6, 2) \quad (5, 7) \quad (7, 4) \quad (9, 5) \quad (3, 9) \quad (8, 7) \quad (5, 2)$$

- Is this list consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this list consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this list consistent with a one-to-one function? Why or why not?

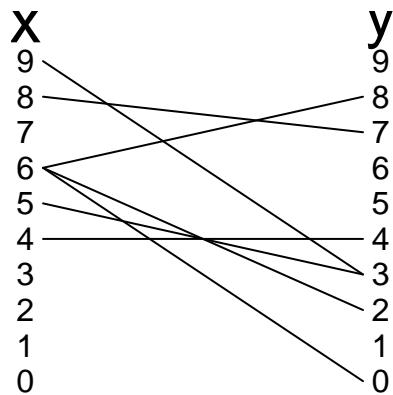
- 
2. A relation is shown as points on a graph.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

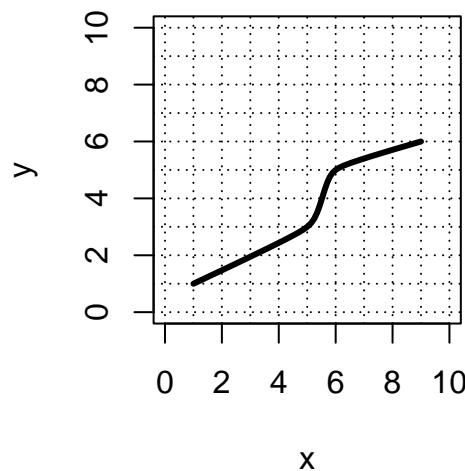
### Check if Relation is a Function (version 31)

3. A relation is shown with segments connecting elements of two sets.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

- 
4. A relation is shown as a curve plotted on an  $x, y$



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

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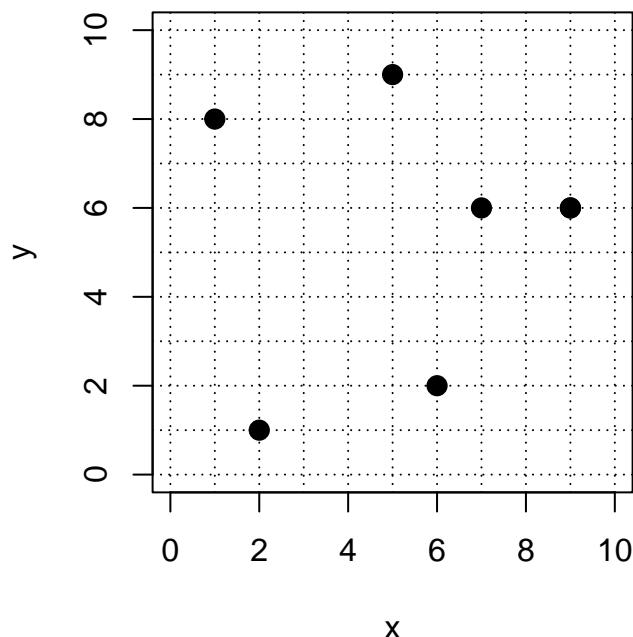
### Check if Relation is a Function (12 pts classwork, version 32)

1. A **relation** is expressed as a list of  $(x, y)$  ordered pairs.

$$(1, 9) \quad (3, 6) \quad (7, 6) \quad (6, 4) \quad (6, 4) \quad (9, 5)$$

- Is this list consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this list consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this list consistent with a one-to-one function? Why or why not?

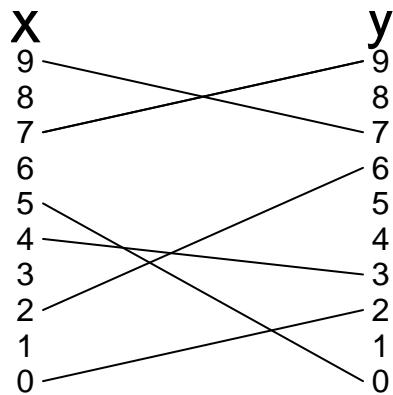
- 
2. A relation is shown as points on a graph.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

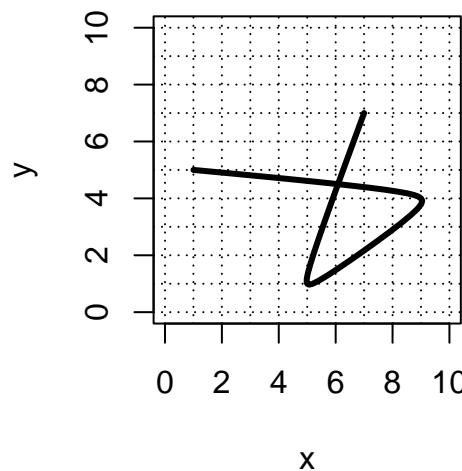
### Check if Relation is a Function (version 32)

3. A relation is shown with segments connecting elements of two sets.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

- 
4. A relation is shown as a curve plotted on an  $x, y$



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

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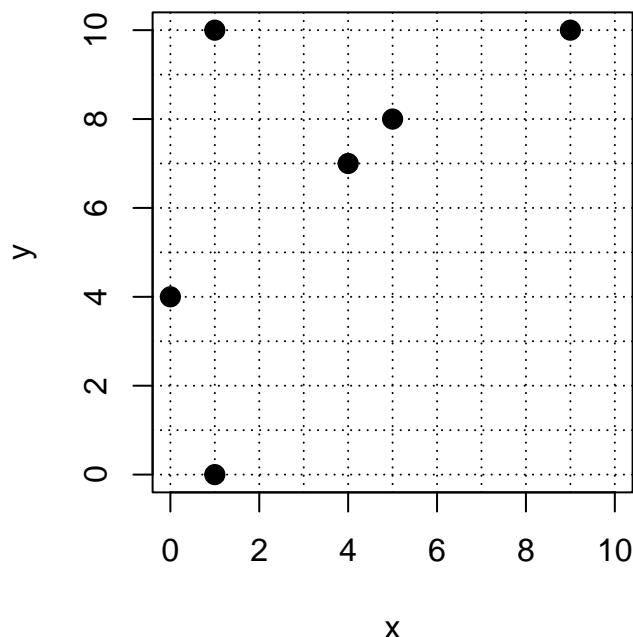
### Check if Relation is a Function (12 pts classwork, version 33)

1. A **relation** is expressed as a list of  $(x, y)$  ordered pairs.

$$(2, 4) \quad (5, 5) \quad (9, 1) \quad (7, 6) \quad (9, 1)$$

- Is this list consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this list consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this list consistent with a one-to-one function? Why or why not?

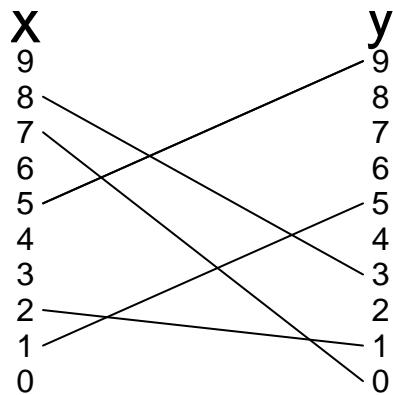
- 
2. A relation is shown as points on a graph.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

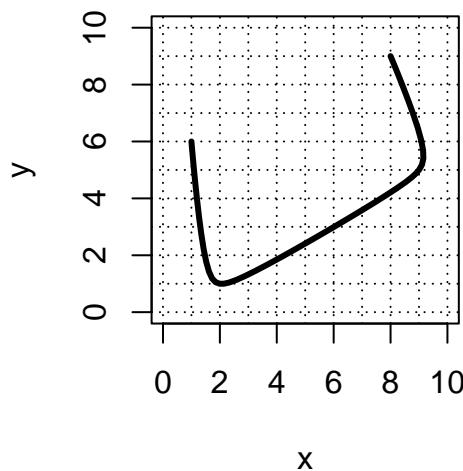
### Check if Relation is a Function (version 33)

3. A relation is shown with segments connecting elements of two sets.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

- 
4. A relation is shown as a curve plotted on an  $x, y$



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

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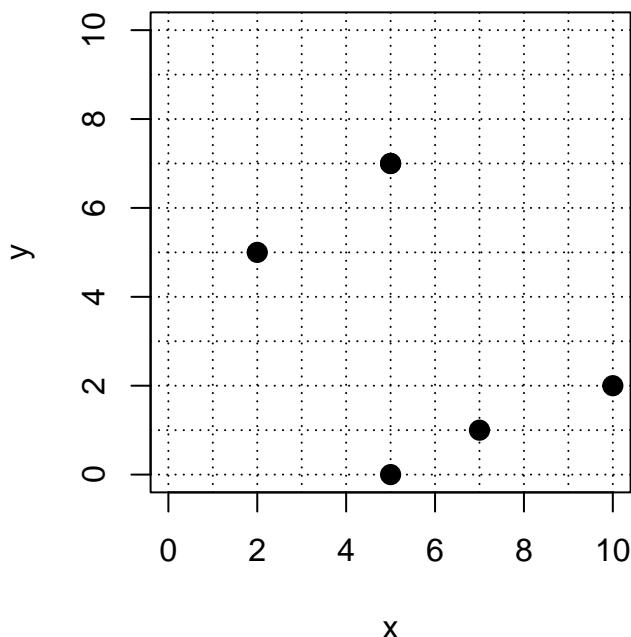
### Check if Relation is a Function (12 pts classwork, version 34)

1. A **relation** is expressed as a list of  $(x, y)$  ordered pairs.

$$(2, 3) \quad (8, 3) \quad (6, 1) \quad (6, 4) \quad (4, 1)$$

- Is this list consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this list consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this list consistent with a one-to-one function? Why or why not?

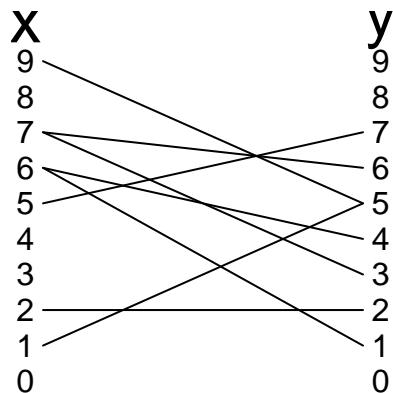
- 
2. A relation is shown as points on a graph.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

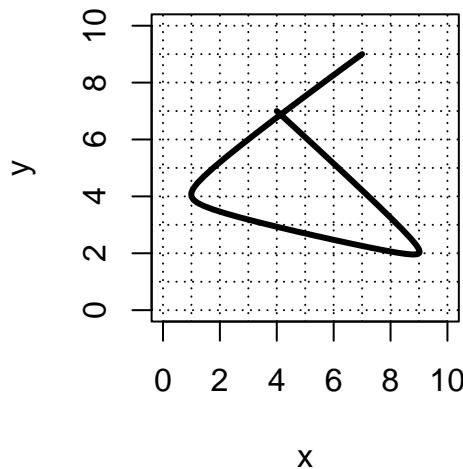
### Check if Relation is a Function (version 34)

3. A relation is shown with segments connecting elements of two sets.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

- 
4. A relation is shown as a curve plotted on an  $x, y$



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

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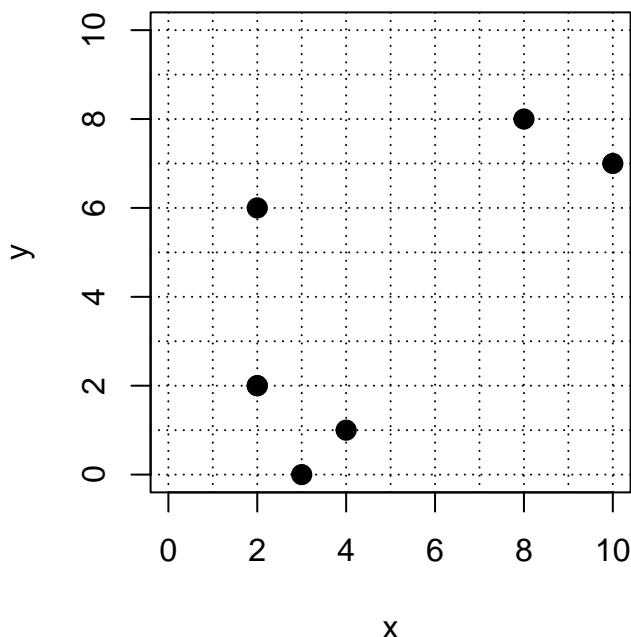
### Check if Relation is a Function (12 pts classwork, version 35)

1. A [relation](#) is expressed as a list of  $(x, y)$  ordered pairs.

$$(7, 7) \quad (5, 5) \quad (4, 6) \quad (4, 6) \quad (3, 2) \quad (2, 3)$$

- Is this list consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this list consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this list consistent with a one-to-one function? Why or why not?

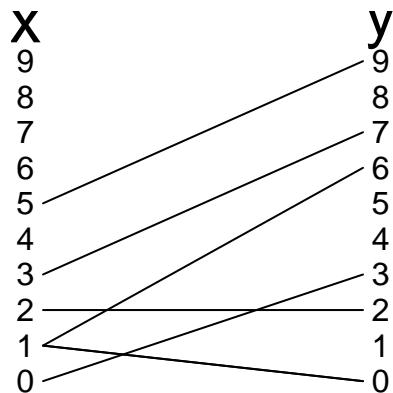
- 
2. A relation is shown as points on a graph.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

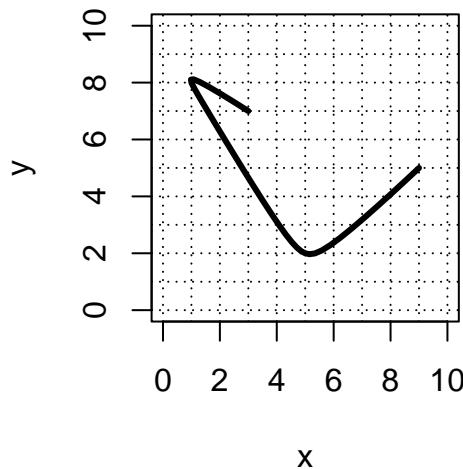
### Check if Relation is a Function (version 35)

3. A relation is shown with segments connecting elements of two sets.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

- 
4. A relation is shown as a curve plotted on an  $x, y$



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

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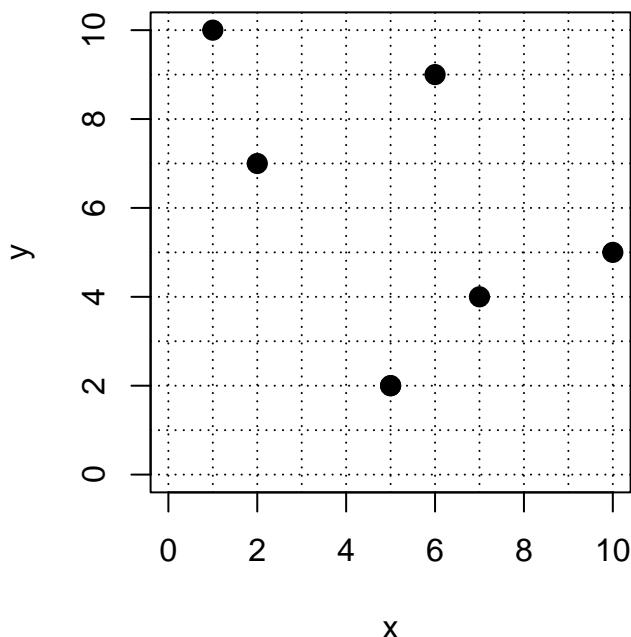
### Check if Relation is a Function (12 pts classwork, version 36)

1. A **relation** is expressed as a list of  $(x, y)$  ordered pairs.

$$(7, 5) \quad (6, 7) \quad (1, 4) \quad (8, 4) \quad (1, 4)$$

- Is this list consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this list consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this list consistent with a one-to-one function? Why or why not?

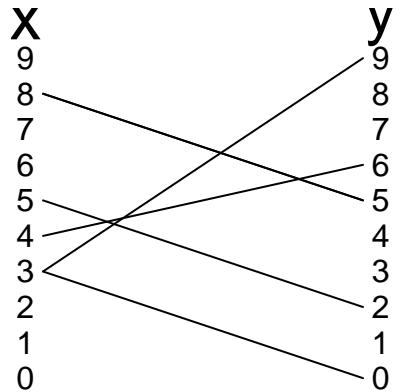
- 
2. A relation is shown as points on a graph.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

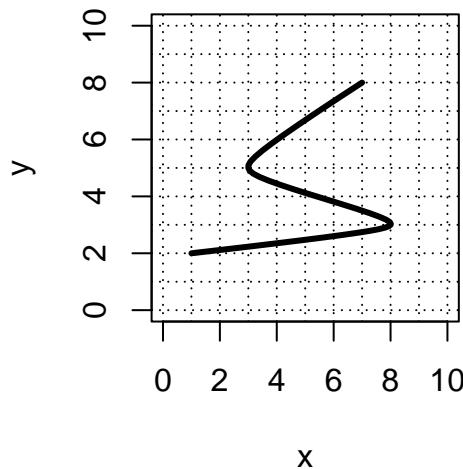
### Check if Relation is a Function (version 36)

3. A relation is shown with segments connecting elements of two sets.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

- 
4. A relation is shown as a curve plotted on an  $x, y$



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

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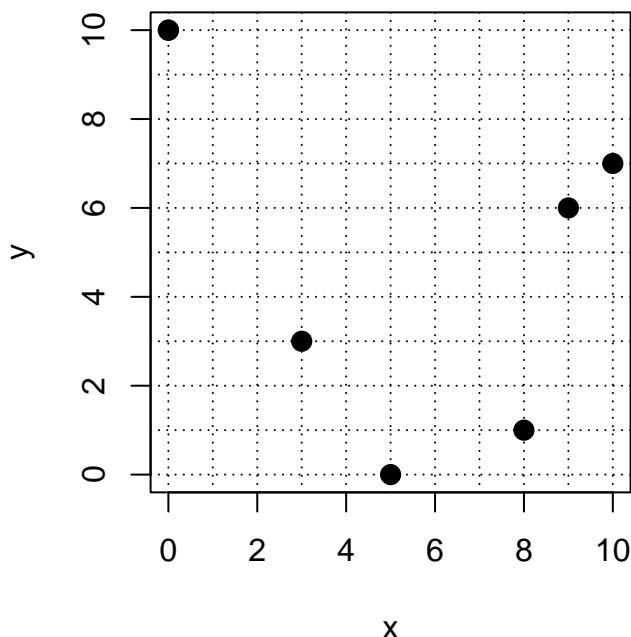
### Check if Relation is a Function (12 pts classwork, version 37)

1. A **relation** is expressed as a list of  $(x, y)$  ordered pairs.

$$(3, 3) \quad (3, 6) \quad (4, 7) \quad (3, 3) \quad (6, 9)$$

- Is this list consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this list consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this list consistent with a one-to-one function? Why or why not?

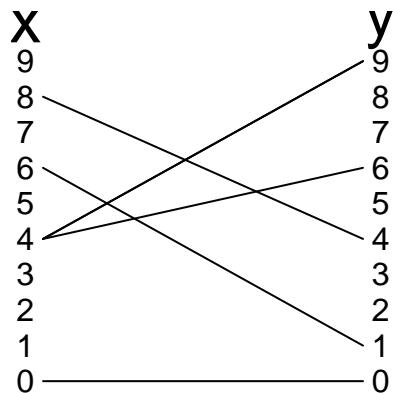
- 
2. A relation is shown as points on a graph.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

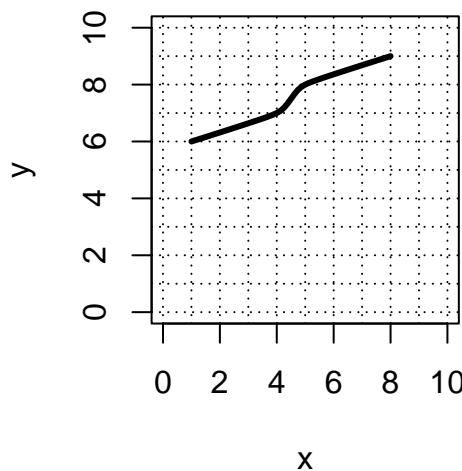
### Check if Relation is a Function (version 37)

3. A relation is shown with segments connecting elements of two sets.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

- 
4. A relation is shown as a curve plotted on an  $x, y$



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

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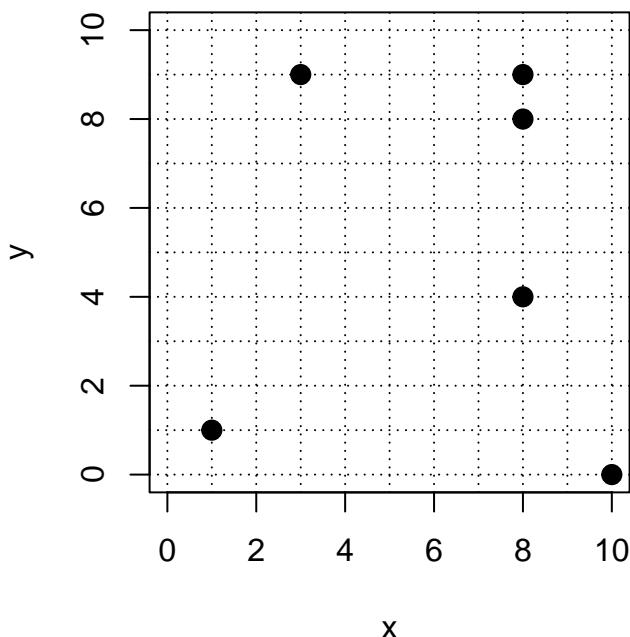
### Check if Relation is a Function (12 pts classwork, version 38)

1. A **relation** is expressed as a list of  $(x, y)$  ordered pairs.

$$(7, 7) \quad (7, 5) \quad (8, 2) \quad (5, 4) \quad (4, 7)$$

- Is this list consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this list consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this list consistent with a one-to-one function? Why or why not?

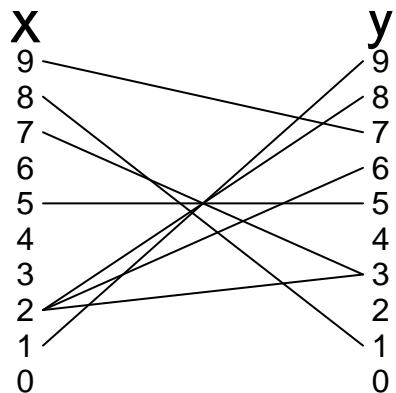
- 
2. A relation is shown as points on a graph.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

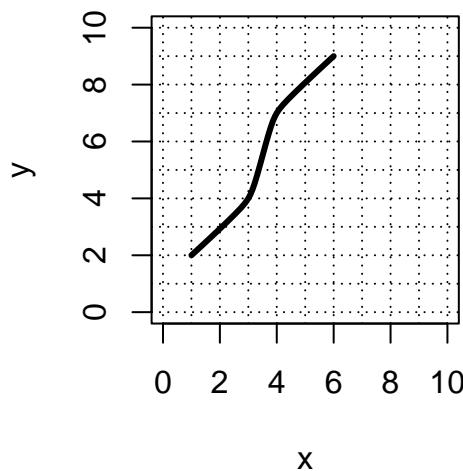
### Check if Relation is a Function (version 38)

3. A relation is shown with segments connecting elements of two sets.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

- 
4. A relation is shown as a curve plotted on an  $x, y$



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

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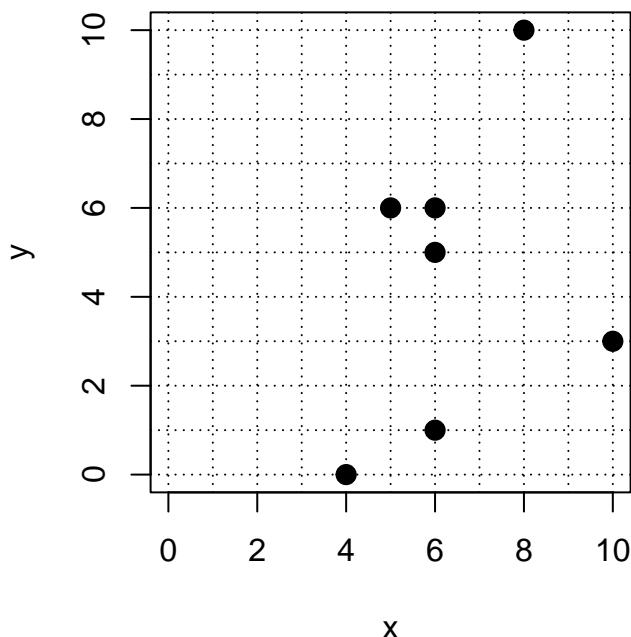
### Check if Relation is a Function (12 pts classwork, version 39)

1. A **relation** is expressed as a list of  $(x, y)$  ordered pairs.

$$(3, 7) \quad (1, 9) \quad (2, 9) \quad (9, 4) \quad (2, 8) \quad (9, 3)$$

- Is this list consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this list consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this list consistent with a one-to-one function? Why or why not?

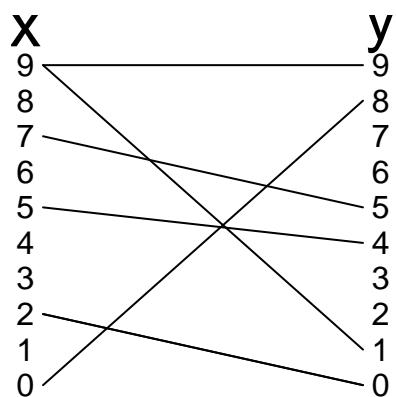
- 
2. A relation is shown as points on a graph.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

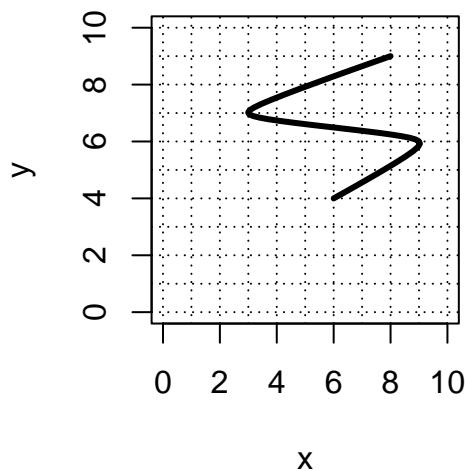
### Check if Relation is a Function (version 39)

3. A relation is shown with segments connecting elements of two sets.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

- 
4. A relation is shown as a curve plotted on an  $x, y$



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

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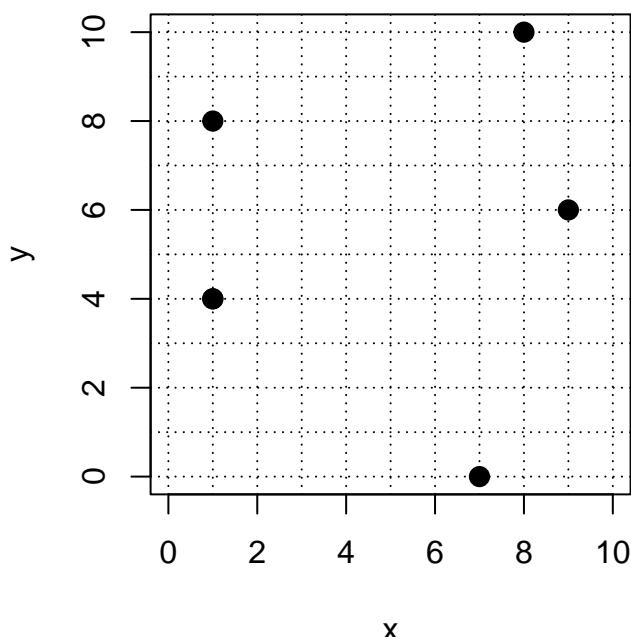
### Check if Relation is a Function (12 pts classwork, version 40)

1. A **relation** is expressed as a list of  $(x, y)$  ordered pairs.

$$(4, 5) \quad (3, 1) \quad (3, 9) \quad (6, 3) \quad (6, 3)$$

- Is this list consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this list consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this list consistent with a one-to-one function? Why or why not?

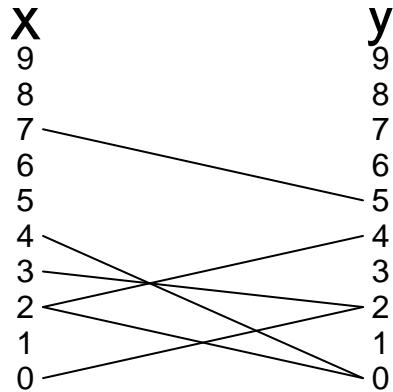
- 
2. A relation is shown as points on a graph.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

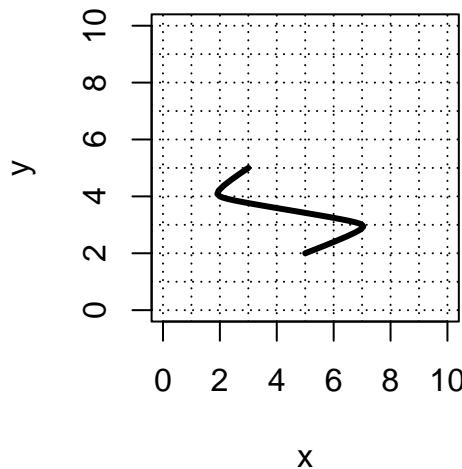
### Check if Relation is a Function (version 40)

3. A relation is shown with segments connecting elements of two sets.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

- 
4. A relation is shown as a curve plotted on an  $x, y$



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

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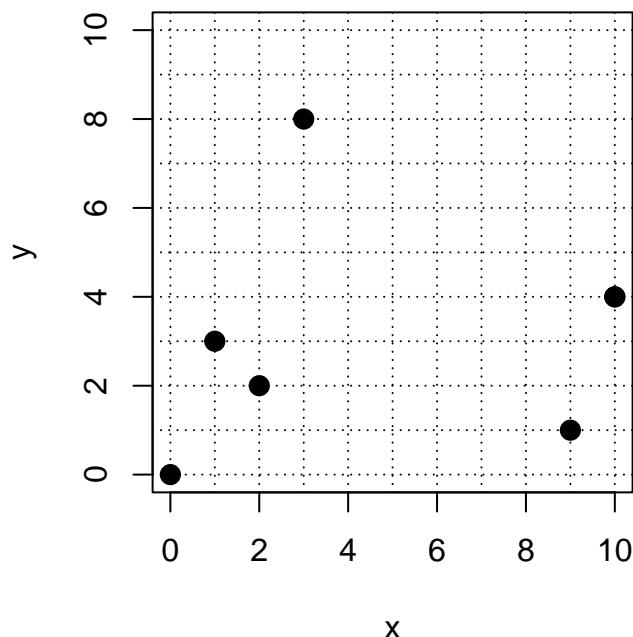
### Check if Relation is a Function (12 pts classwork, version 41)

1. A **relation** is expressed as a list of  $(x, y)$  ordered pairs.

$$(3, 4) \quad (7, 5) \quad (5, 1) \quad (8, 9) \quad (6, 8) \quad (5, 1) \quad (5, 2) \quad (9, 6)$$

- Is this list consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this list consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this list consistent with a one-to-one function? Why or why not?

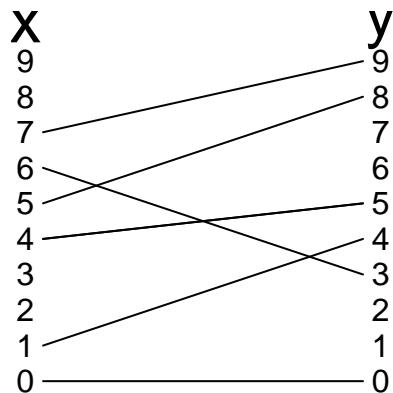
- 
2. A relation is shown as points on a graph.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

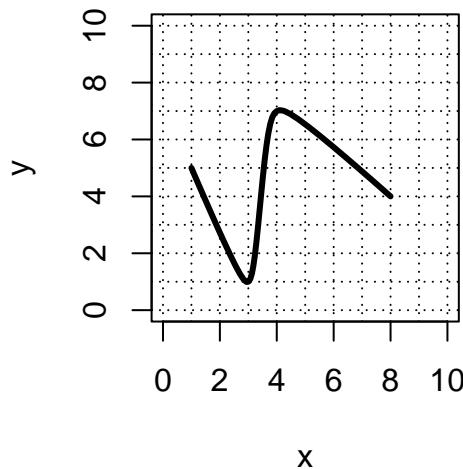
### Check if Relation is a Function (version 41)

3. A relation is shown with segments connecting elements of two sets.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

- 
4. A relation is shown as a curve plotted on an  $x, y$



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

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### Check if Relation is a Function (12 pts classwork, version 42)

1. A **relation** is expressed as a list of  $(x, y)$  ordered pairs.

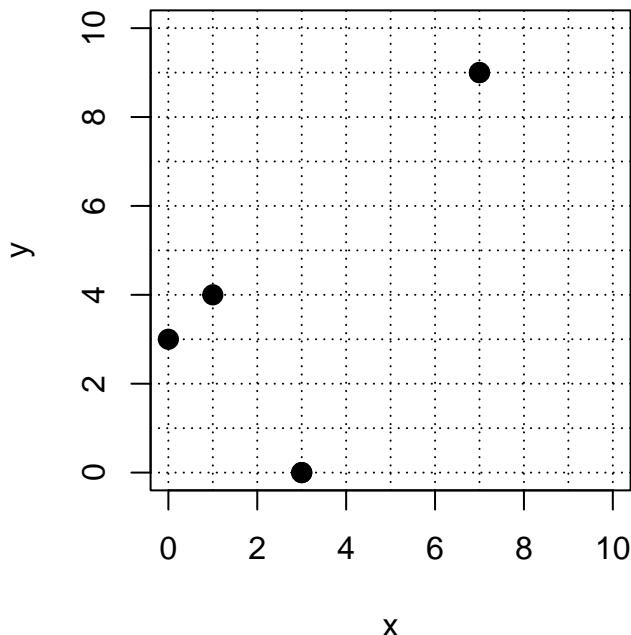
$$(8, 2) \quad (7, 4) \quad (1, 3) \quad (5, 6) \quad (2, 5) \quad (6, 2) \quad (6, 7)$$

- Is this list consistent with  $y$  being a function of  $x$ ? Why or why not?

- Is this list consistent with  $x$  being a function of  $y$ ? Why or why not?

- Is this list consistent with a one-to-one function? Why or why not?

- 
2. A relation is shown as points on a graph.



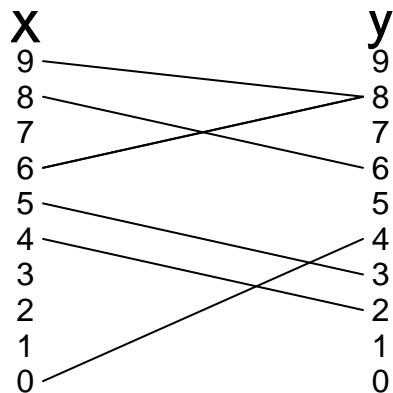
- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?

- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?

- Is this relation consistent with a one-to-one function? Why or why not?

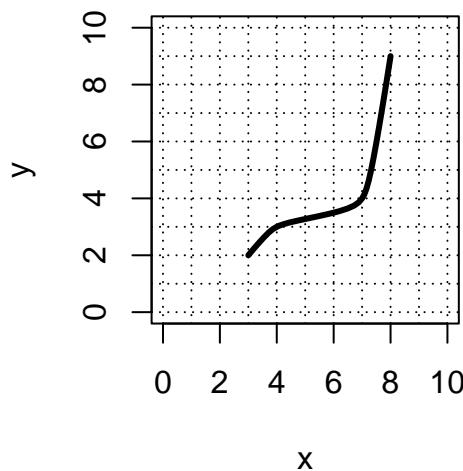
### Check if Relation is a Function (version 42)

3. A relation is shown with segments connecting elements of two sets.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

- 
4. A relation is shown as a curve plotted on an  $x, y$



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

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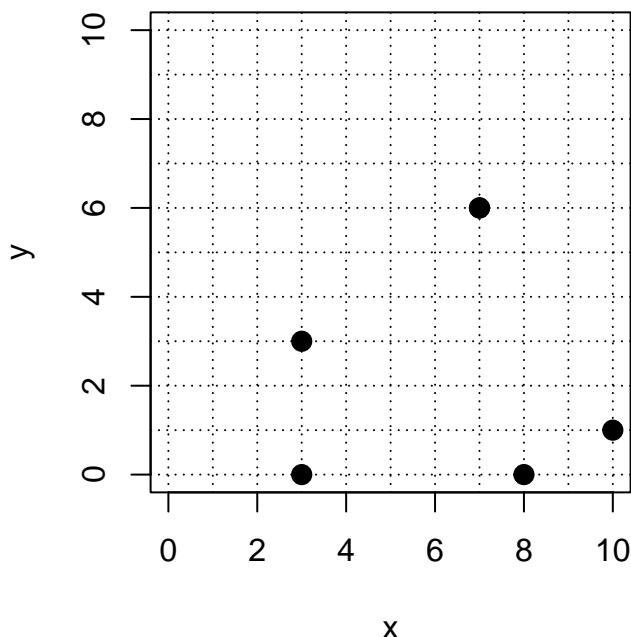
### Check if Relation is a Function (12 pts classwork, version 43)

1. A **relation** is expressed as a list of  $(x, y)$  ordered pairs.

$$(3, 1) \quad (8, 2) \quad (9, 6) \quad (3, 1) \quad (1, 9) \quad (2, 7)$$

- Is this list consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this list consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this list consistent with a one-to-one function? Why or why not?

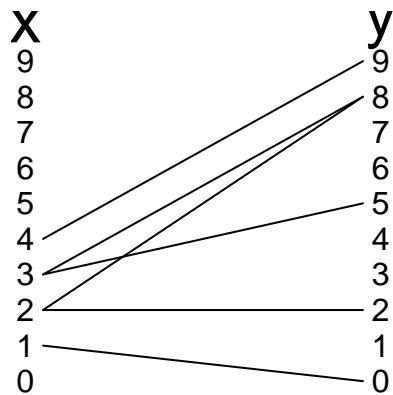
- 
2. A relation is shown as points on a graph.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

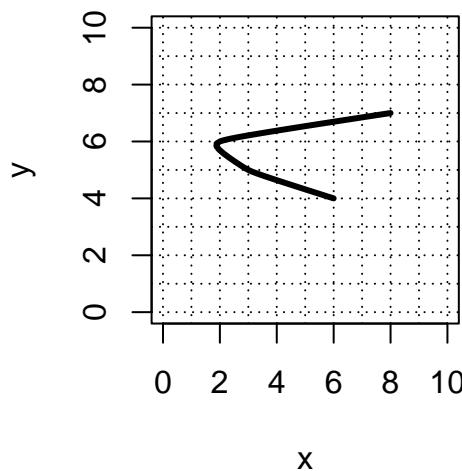
### Check if Relation is a Function (version 43)

3. A relation is shown with segments connecting elements of two sets.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

- 
4. A relation is shown as a curve plotted on an  $x, y$



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

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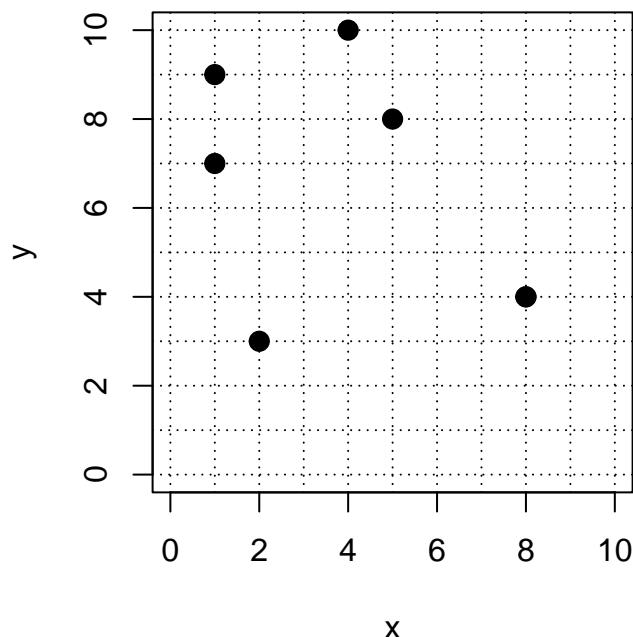
### Check if Relation is a Function (12 pts classwork, version 44)

1. A **relation** is expressed as a list of  $(x, y)$  ordered pairs.

$$(5, 6) \quad (7, 1) \quad (5, 2) \quad (7, 3) \quad (8, 9) \quad (1, 5) \quad (6, 2)$$

- Is this list consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this list consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this list consistent with a one-to-one function? Why or why not?

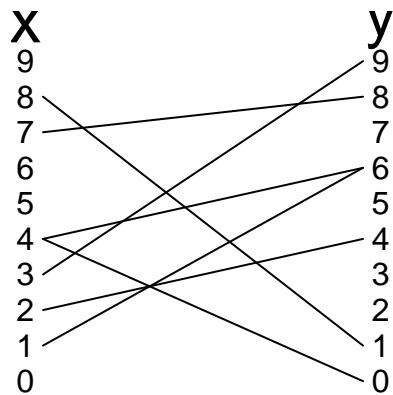
- 
2. A relation is shown as points on a graph.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

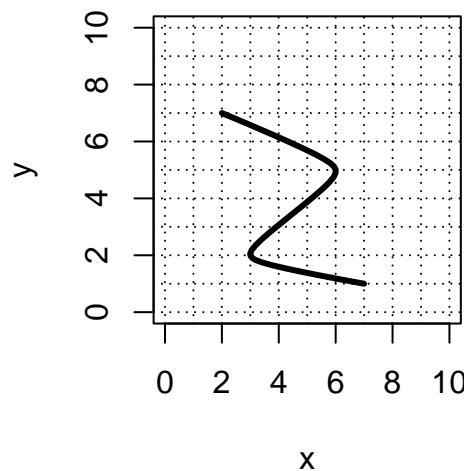
### Check if Relation is a Function (version 44)

3. A relation is shown with segments connecting elements of two sets.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

- 
4. A relation is shown as a curve plotted on an  $x, y$



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

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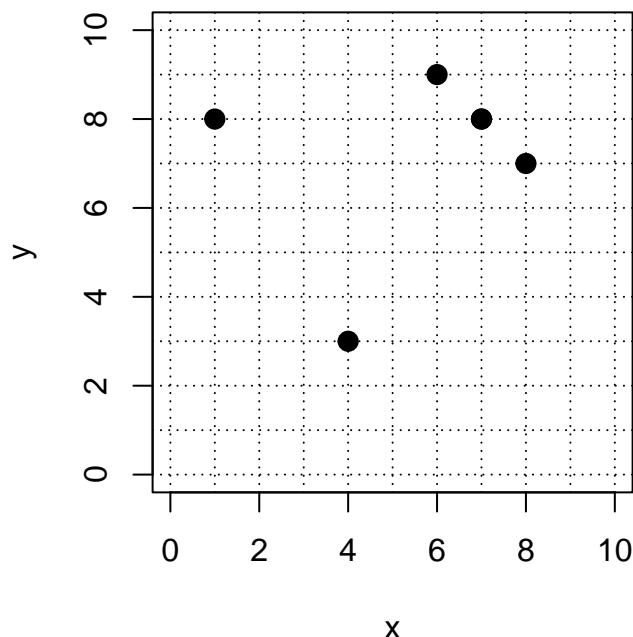
### Check if Relation is a Function (12 pts classwork, version 45)

1. A **relation** is expressed as a list of  $(x, y)$  ordered pairs.

$$(7, 5) \quad (3, 7) \quad (7, 4) \quad (6, 4) \quad (4, 3) \quad (1, 8)$$

- Is this list consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this list consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this list consistent with a one-to-one function? Why or why not?

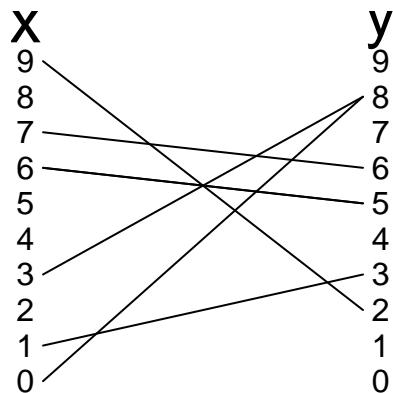
- 
2. A relation is shown as points on a graph.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

### Check if Relation is a Function (version 45)

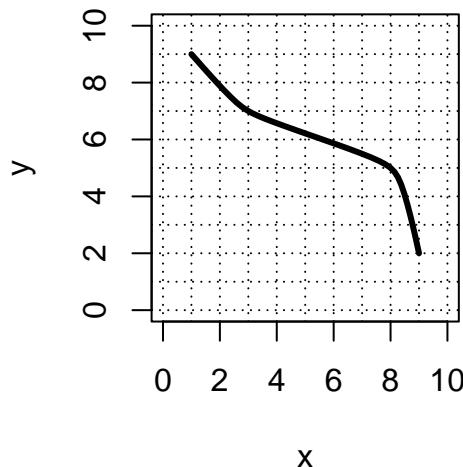
3. A relation is shown with segments connecting elements of two sets.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

---

4. A relation is shown as a curve plotted on an  $x, y$



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

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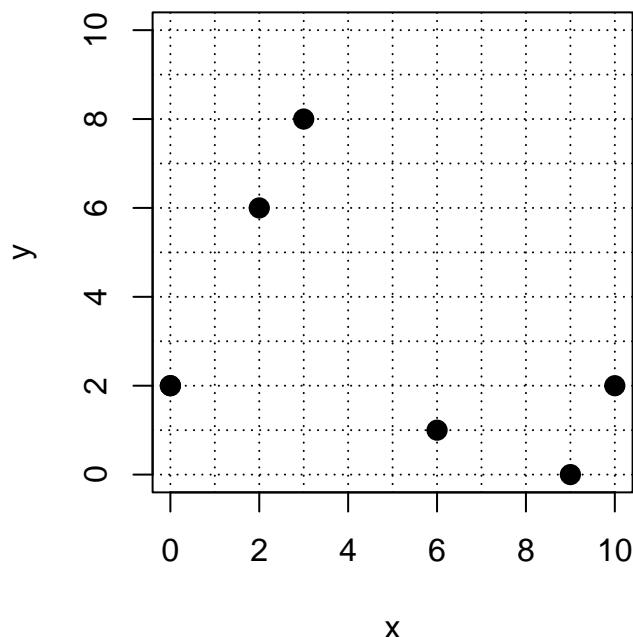
### Check if Relation is a Function (12 pts classwork, version 46)

1. A [relation](#) is expressed as a list of  $(x, y)$  ordered pairs.

$$(8, 9) \quad (3, 6) \quad (2, 1) \quad (4, 2) \quad (8, 9) \quad (9, 5)$$

- Is this list consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this list consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this list consistent with a one-to-one function? Why or why not?

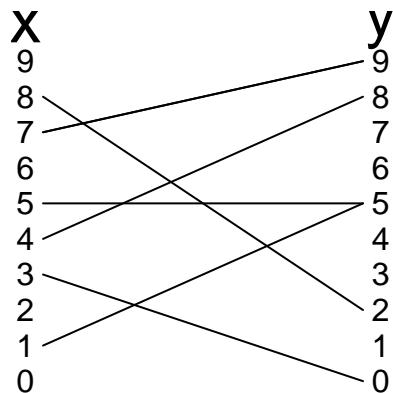
- 
2. A relation is shown as points on a graph.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

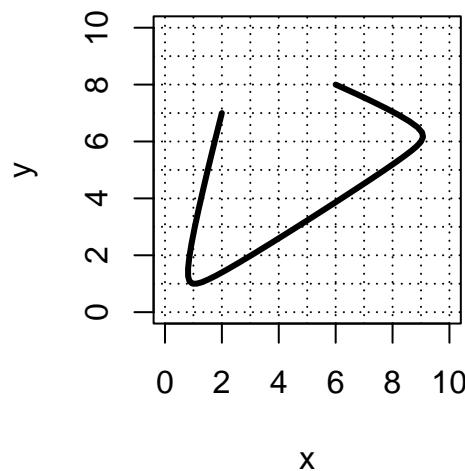
### Check if Relation is a Function (version 46)

3. A relation is shown with segments connecting elements of two sets.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

- 
4. A relation is shown as a curve plotted on an  $x, y$



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

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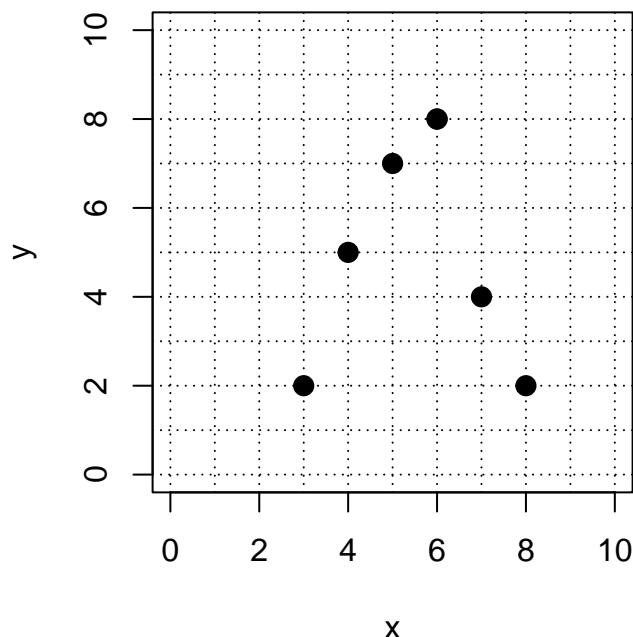
### Check if Relation is a Function (12 pts classwork, version 47)

1. A [relation](#) is expressed as a list of  $(x, y)$  ordered pairs.

$$(4, 6) \quad (1, 8) \quad (7, 8) \quad (6, 5) \quad (9, 4) \quad (6, 9)$$

- Is this list consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this list consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this list consistent with a one-to-one function? Why or why not?

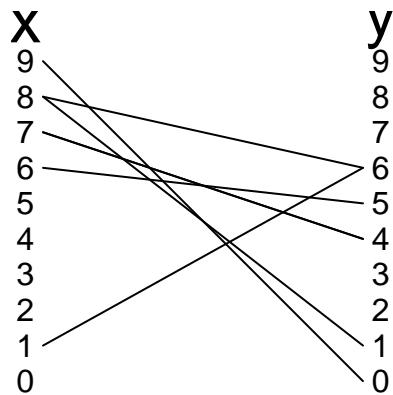
- 
2. A relation is shown as points on a graph.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

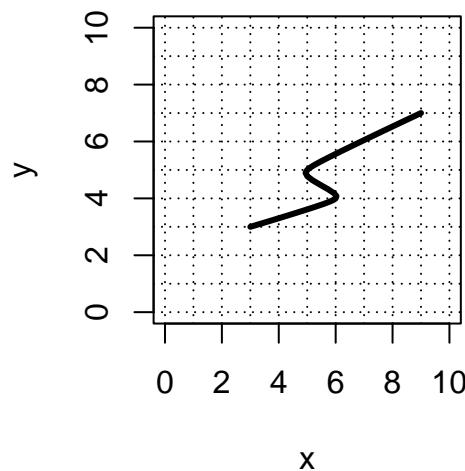
### Check if Relation is a Function (version 47)

3. A relation is shown with segments connecting elements of two sets.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

- 
4. A relation is shown as a curve plotted on an  $x, y$



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

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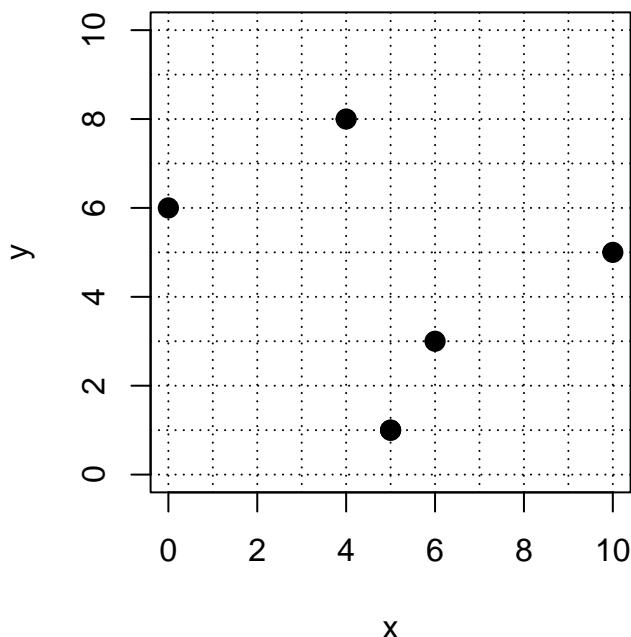
### Check if Relation is a Function (12 pts classwork, version 48)

1. A **relation** is expressed as a list of  $(x, y)$  ordered pairs.

$$(7, 7) \quad (6, 3) \quad (3, 6) \quad (4, 1) \quad (9, 6) \quad (3, 6)$$

- Is this list consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this list consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this list consistent with a one-to-one function? Why or why not?

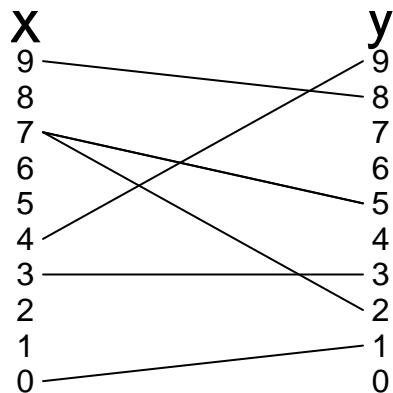
- 
2. A relation is shown as points on a graph.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

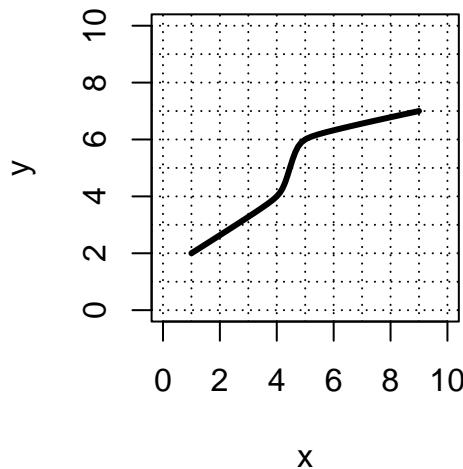
### Check if Relation is a Function (version 48)

3. A relation is shown with segments connecting elements of two sets.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

- 
4. A relation is shown as a curve plotted on an  $x, y$



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

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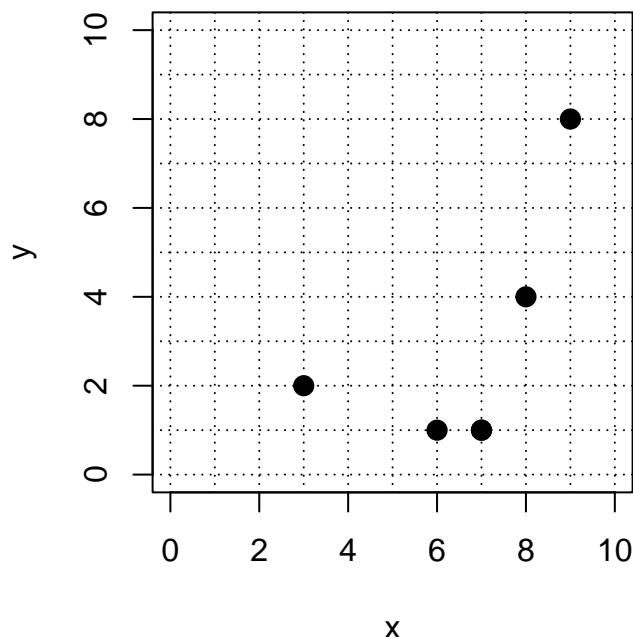
### Check if Relation is a Function (12 pts classwork, version 49)

1. A [relation](#) is expressed as a list of  $(x, y)$  ordered pairs.

$$(1, 6) \quad (7, 5) \quad (6, 8) \quad (1, 2) \quad (7, 7) \quad (9, 5)$$

- Is this list consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this list consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this list consistent with a one-to-one function? Why or why not?

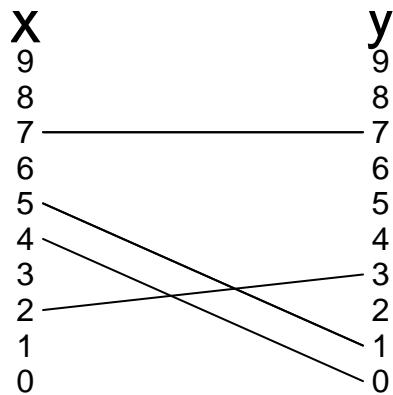
- 
2. A relation is shown as points on a graph.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

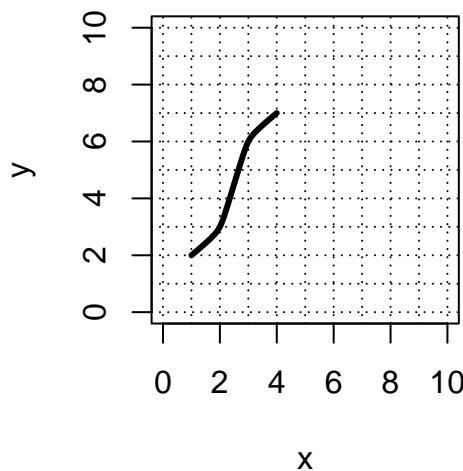
### Check if Relation is a Function (version 49)

3. A relation is shown with segments connecting elements of two sets.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

- 
4. A relation is shown as a curve plotted on an  $x, y$



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

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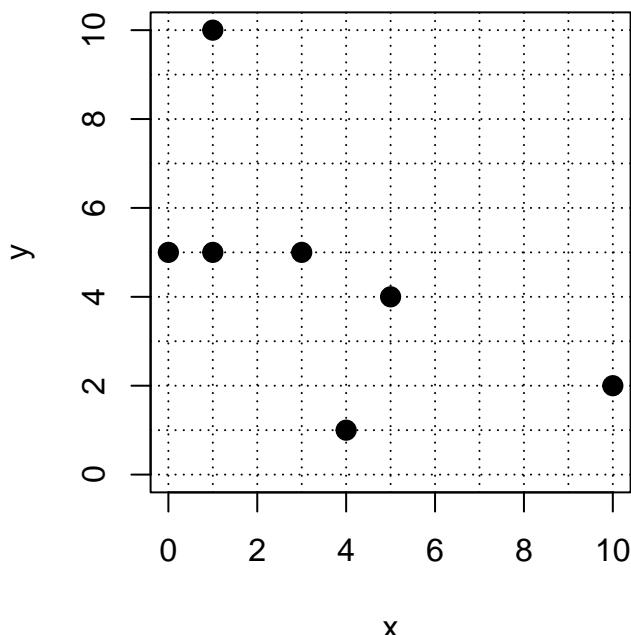
### Check if Relation is a Function (12 pts classwork, version 50)

1. A **relation** is expressed as a list of  $(x, y)$  ordered pairs.

$$(1, 3) \quad (8, 1) \quad (9, 7) \quad (1, 8) \quad (6, 2) \quad (2, 6) \quad (6, 2)$$

- Is this list consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this list consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this list consistent with a one-to-one function? Why or why not?

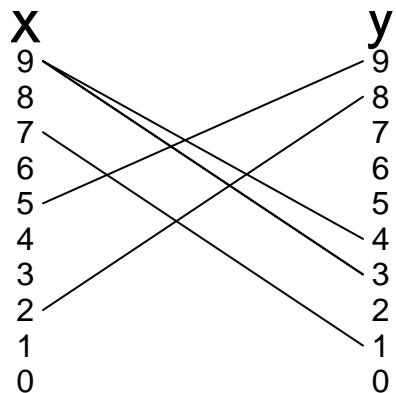
- 
2. A relation is shown as points on a graph.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

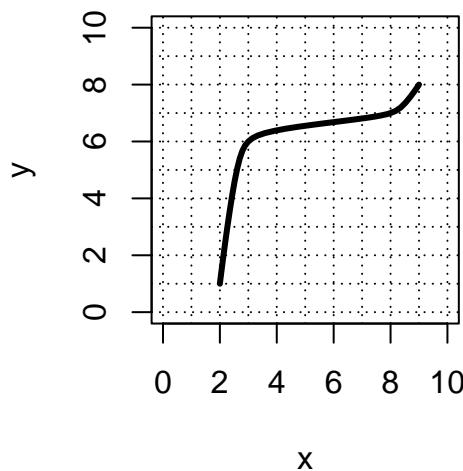
### Check if Relation is a Function (version 50)

3. A relation is shown with segments connecting elements of two sets.



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?

- 
4. A relation is shown as a curve plotted on an  $x, y$



- Is this relation consistent with  $y$  being a function of  $x$ ? Why or why not?
- Is this relation consistent with  $x$  being a function of  $y$ ? Why or why not?
- Is this relation consistent with a one-to-one function? Why or why not?